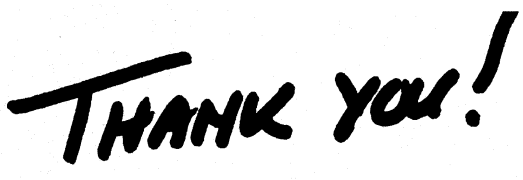
DR® FIELD and BRUSH MOWER

SAFETY & OPERATING INSTRUCTIONS

⚠ WARNING!

READ AND UNDERSTAND THIS MANUAL AND ALL INSTRUCTIONS BEFORE OPERATING THIS MOWER.



And congratulations on your purchase of a new DR FIELD and BRUSH MOWER!

We have done our utmost to ensure that your DR FIELD and BRUSH MOWER will be one of the most trouble-free and satisfying pieces of equipment you have ever owned. Please let us know of any questions you may have. We want to answer them as quickly as possible. When you do call, please have your order number handy. **For technical assistance, please call Toll-Free 1-800-DR-OWNER (376-9637) and one of our Technical Support Representatives will be happy to help you.** We also hope to hear from you on how much you like your new helper.

In addition, please tell your friends about your new DR FIELD and BRUSH MOWER! Having DR Owners spread the word about our products and our way of doing business is the best advertising we can have, and the best way to help us provide even better service in the years to come.

Thanks once again!

for all of us at
Country Home Products, Inc.

SALES MANAGER

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CHAPTER 1

INTRODUCING THE DR FIELD AND BRUSH MOWER

This manual will help you set up and safely operate your new DR FIELD and BRUSH MOWER. Careful adherence to the safety and operating instructions in this manual will ensure many years of productive use. Please let us know of any questions you may have. We want to answer them as quickly as possible. When you do call, please have your order number handy. **For technical assistance, please call Toll-Free: 1-800-DR-OWNER (376-9637) and one of our Technical Support Representatives will be happy to help you.**

Conventions used in this manual

⚠ WARNING!

THIS INDICATES A HAZARDOUS SITUATION, WHICH, IF NOT AVOIDED, *COULD RESULT* IN *DEATH OR SERIOUS INJURY*.

⚠ CAUTION!

THIS INDICATES A HAZARDOUS SITUATION, WHICH, IF NOT AVOIDED, *COULD RESULT* IN *MINOR OR MODERATE INJURY.*

⚠ NOTICE!

THIS INFORMATION IS IMPORTANT IN THE PROPER USE OF YOUR MACHINE. FAILURE TO FOLLOW THIS INSTRUCTION COULD RESULT IN DAMAGE TO YOUR MACHINE OR PROPERTY.

Tip: This is a helpful hint to guide you in getting the most out of your DR FIELD and BRUSH MOWER.

Tools Needed: This indicates you will need a special tool to perform a maintenance function on your Mower.

NOTE: *This information may be helpful to you.*

If you are ever unsure about an action you are about to take, don't do it, contact Country Home Products' toll-free support at 1-800-DR-OWNER (376-9637) for help or information.

CHAPTER 2

GENERAL SAFETY RULES

⚠ WARNING!

READ THIS SAFETY AND OPERATING MANUAL BEFORE YOU USE THE DR FIELD AND BRUSH MOWER. BECOME FAMILIAR WITH THE SERVICE RECOMMENDATIONS TO ENSURE THE BEST PERFORMANCE FROM YOUR MOWER.

Labels

Your DR FIELD and BRUSH MOWER carries prominent labels as reminders for its proper and safe use. Shown below are copies of all the labels that appear on the equipment. Take a moment to study them and make a note of their location on your DR FIELD and BRUSH MOWER as you assemble and *before* you operate the machine. Replace damaged or missing safety and information labels immediately. (#148231)

Read the Safety and Operating Instructions.

Always wear safety glasses or goggles while operating the machine.

Do not operate the machine near people or animals.

Keep body parts away from the mower blade.

Remove all objects that could be thrown by the mower blade.

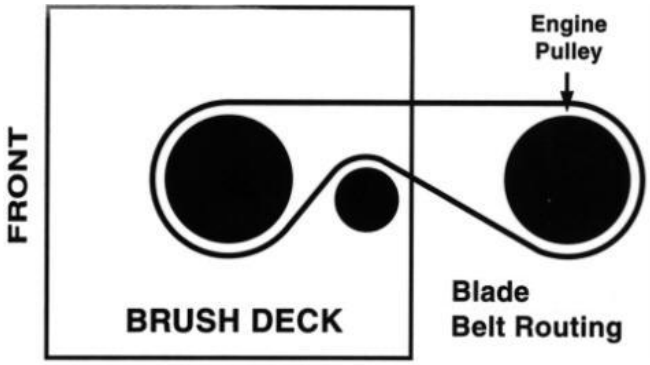
Use caution operating the machine on slopes.

Make sure you add oil before starting the engine; the unit shipped without oil. Fill the oil reservoir slowly to make sure you don't overfill it. (#127811)

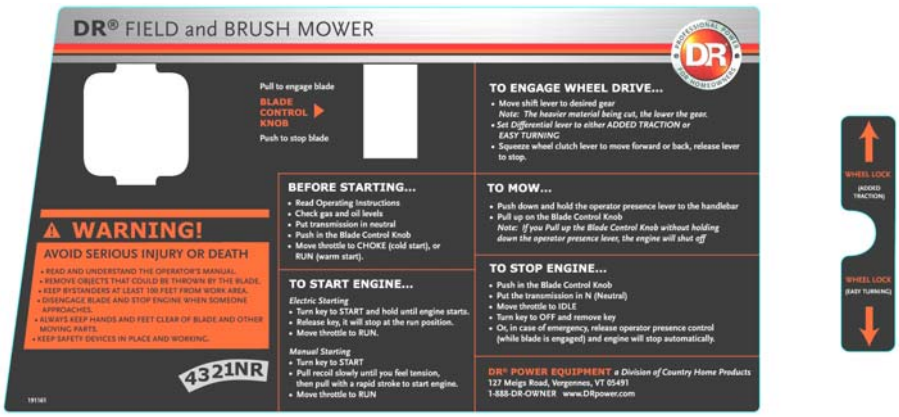
Keep combustible substances away from the engine when it is hot. (#136831)

To avoid injury, keep your hands and feet away from the spinning blade. (#136491)

Move the throttle to the CHOKE position to start the engine (to the RUN or IDLE position if the engine is already warm). (#161541)



This label shows the proper routing of the drive belt. (#164371)



This label reminds you about the importance of reading and understanding the Safety and Operating Instructions manual and of paying attention to the safety warnings. (#191161)

Protecting Yourself and Those Around You

⚠ WARNING!

THIS IS A HIGH-POWERED MACHINE, WITH MOVING PARTS OPERATING WITH HIGH ENERGY AT HIGH SPEEDS. YOU MUST USE PROPER CLOTHING AND SAFETY GEAR WHEN OPERATING THIS MACHINE TO PREVENT OR MINIMIZE THE RISK OF SEVERE INJURY. THIS MACHINE CAN CUT, AND SEVER PARTS OF YOUR BODY IF THEY BECOME IN CONTACT WITH THE MOVING BLADE. ALWAYS TAKE THE FOLLOWING PRECAUTIONS WHEN OPERATING THIS MACHINE:

- **ALWAYS WEAR THE PROTECTIVE GOGGLES OR SAFETY GLASSES WITH SIDE SHIELDS WHILE MOWING TO PROTECT YOUR EYES FROM POSSIBLE THROWN DEBRIS.**
- **WEAR SHOES WITH NON-SLIP TREADS WHEN USING YOUR DR FIELD AND BRUSH MOWER. IF YOU HAVE SAFETY SHOES, WE RECOMMEND WEARING THEM. DO NOT USE THE MACHINE WHILE BAREFOOT OR WEARING OPEN SANDALS.**
- **AVOID WEARING LOOSE CLOTHING OR JEWELRY, WHICH CAN CATCH ON THE MOWER'S MOVING PARTS.**
- **WE RECOMMEND WEARING GLOVES WHILE MOWING. BE SURE YOUR GLOVES FIT PROPERLY AND DO NOT HAVE LOOSE CUFFS OR DRAWSTRINGS.**

Operating the Mower Safely

⚠ WARNING!

THIS IS A HIGH-POWERED MACHINE, WITH MOVING PARTS OPERATING WITH HIGH ENERGY AT HIGH SPEEDS. YOU MUST OPERATE THE MACHINE SAFELY. UNSAFE OPERATION CAN CREATE A NUMBER OF HAZARDS FOR YOU, AS WELL AS ANYONE ELSE IN THE NEARBY AREA. ALWAYS TAKE THE FOLLOWING PRECAUTIONS WHEN USING THIS MACHINE:

- **NEVER ALLOW PEOPLE WHO ARE UNFAMILIAR WITH THESE INSTRUCTIONS TO USE THE DR FIELD AND BRUSH MOWER.**
- **KEEP BYSTANDERS AT LEAST 100 FEET AWAY FROM YOUR WORK AREA AT ALL TIMES. OBJECTS CAN BE THROWN FAR FROM THE MOWER AND AT GREAT SPEEDS. TO BE SAFE, DO NOT OPERATE THE MACHINE NEAR SMALL CHILDREN OR PETS, AND NEVER ALLOW CHILDREN TO OPERATE THE MOWER. DISENGAGE THE BLADE AND STOP THE ENGINE WHEN ANOTHER PERSON OR PET APPROACHES.**
- **CLEAR THE AREA OF OBJECTS SUCH AS ROCKS, TOYS, WIRE, BONES, STICKS ETC., WHICH COULD BE PICKED UP AND THROWN BY THE BLADE.**
- **BE SURE ALL BLADE AND WHEEL CONTROLS ARE DISENGAGED BEFORE ATTEMPTING TO START THE ENGINE. ENGAGE AND DISENGAGE THE BLADE A FEW TIMES TO GET USED TO IT BEFORE MOWING.**
- **KEEP YOUR HANDS AND FEET AWAY FROM THE BLADE, BELTS, CHAINS, BLADE PULLEYS, AND CONCEALED AREAS WHILE THE ENGINE IS RUNNING. NEVER REACH UNDER THE DECK OR GRAB HOLD OF ANY PART OF THE DECK WHEN THE ENGINE IS RUNNING.**

⚠ WARNING!

- **ALWAYS SHUT OFF THE ENGINE WHENEVER YOU LEAVE THE MACHINE. REMOVE THE SPARK PLUG WIRE(S) BEFORE ADJUSTING THE MACHINE. IF YOU HAVE TO STOP TO REMOVE GRASS OR DEBRIS FROM THE UNDERSIDE OF THE DECK, ALWAYS DISCONNECT THE SPARK PLUG WIRE(S) FIRST.**
- **THE EXHAUST AREA ON THE ENGINE BECOMES VERY HOT WITH USE. ALLOW THE ENGINE TO COOL BEFORE DOING MAINTENANCE OR MAKING ADJUSTMENTS.**
- **KEEP COMBUSTIBLE SUBSTANCES AWAY FROM THE ENGINE WHEN IT IS HOT.**
- **WHEN OPERATING OVER UNEVEN TERRAIN AND SLOPES, USE EXTREME CAUTION TO ENSURE SOLID AND FIRM FOOTING. KEEP A FIRM HOLD ON THE HANDLEBARS AND WALK, NEVER RUN.**
- **STOP THE BLADE WHEN CROSSING GRAVEL DRIVES, WALKS, OR ROADS.**
- **USE EXTRA CAUTION WHEN MOWING IN WET OR SLIPPERY CONDITIONS.**
- **ALWAYS OPERATE THE MOWER FROM BEHIND. NEVER PASS OR STAND ON THE DISCHARGE (RIGHT) SIDE OR IN FRONT OF MACHINE WHEN THE ENGINE IS RUNNING.**
- **DO NOT PULL THE MOWER BACKWARDS UNLESS ABSOLUTELY NECESSARY. LOOK DOWN, AND BEHIND BEFORE AND WHILE MOVING BACKWARDS.**
- **DO NOT, UNDER ANY CONDITIONS, REMOVE, BEND, CUT, FIT, WELD, OR OTHERWISE ALTER STANDARD PARTS ON THE DR FIELD AND BRUSH MOWER. THIS INCLUDES ALL SHIELDS AND GUARDS. MODIFICATIONS TO YOUR MACHINE COULD CAUSE PERSONAL INJURIES AND PROPERTY DAMAGE AND WILL VOID YOUR WARRANTY.**
- **IF THE MACHINE STARTS TO MAKE AN UNUSUAL NOISE OR VIBRATION, IMMEDIATELY SHUT OFF THE ENGINE, DISCONNECT THE SPARK PLUG WIRE(S), AND ALLOW ALL MOVING PARTS TO COME TO A COMPLETE STOP. VIBRATION IS GENERALLY A WARNING OF TROUBLE. INSPECT FOR CLOGGING OR DAMAGE. CLEAN AND REPAIR AND/OR REPLACE DAMAGED PARTS.**
- **WHILE USING THE DR FIELD AND BRUSH MOWER, DON'T HURRY OR TAKE THINGS FOR GRANTED. WHEN IN DOUBT ABOUT THE EQUIPMENT OR YOUR SURROUNDINGS, STOP THE MACHINE AND TAKE THE TIME TO LOOK THINGS OVER. MAKE SURE THAT YOU HAVE 100% CONTROL OF THE MOWER AT ALL TIMES.**
- **DO NOT OPERATE THE MACHINE WHEN UNDER THE INFLUENCE OF DRUGS, ALCOHOL, OR MEDICATION.**
- **WATCH FOR TRAFFIC WHEN MOWING NEAR ROADWAYS.**
- **USE THE MACHINE ONLY IN DAYLIGHT.**

Slope Operation

⚠ WARNING!

SLOPES ARE A MAJOR FACTOR RELATED TO SLIP AND FALL ACCIDENTS, WHICH CAN RESULT IN SEVERE INJURY. ALL SLOPES REQUIRE CAUTION. IF YOU FEEL UNEASY ON A SLOPE, DO NOT MOW IT. ALWAYS TAKE THE FOLLOWING PRECAUTIONS WHEN USING THIS MACHINE ON SLOPES:

ALWAYS:

- **MOW ACROSS THE FACE OF SLOPES; NEVER UP AND DOWN. EXERCISE EXTREME CAUTION WHEN CHANGING DIRECTION ON SLOPES.**
- **REMOVE OBJECTS SUCH AS ROCKS, TREE LIMBS ETC.**
- **WATCH OUT FOR HOLES, RUTS, OR BUMPS. TALL GRASS CAN HIDE OBSTACLES.**

NEVER:

- ***NEVER* MOW NEAR DROP-OFFS, DITCHES, OR EMBANKMENTS. YOU COULD LOSE YOUR FOOTING OR BALANCE.**
- ***NEVER* MOW ON SLOPES GREATER THAN 20 DEGREES OR ANY EXCESSIVELY STEEP SLOPES.**
- ***NEVER* MOW ON WET SLOPES. REDUCED TRACTION COULD RESULT IN SLIPPING.**

Safety for Children

⚠ WARNING!

TRAGIC ACCIDENTS CAN OCCUR IF THE OPERATOR IS NOT ALERT TO THE PRESENCE OF CHILDREN. CHILDREN ARE OFTEN ATTRACTED TO THE MOWER AND THE MOWING ACTIVITY. *NEVER* ASSUME THAT CHILDREN WILL REMAIN WHERE YOU LAST SAW THEM.

- **KEEP CHILDREN OUT OF THE MOWING AREA AND UNDER THE WATCHFUL CARE OF A RESPONSIBLE ADULT.**
- **BE ALERT AND TURN THE MOWER OFF IF CHILDREN ENTER THE WORK AREA.**
- **BEFORE AND WHILE MOVING BACKWARDS, LOOK BEHIND, AND *DOWN* FOR SMALL CHILDREN.**
- **NEVER ALLOW CHILDREN TO OPERATE THE MOWER.**
- **USE EXTRA CARE WHEN APPROACHING BLIND CORNERS, SHRUBS, TREES, OR OTHER OBJECTS THAT MAY OBSCURE YOUR VISION.**

Safety with Gasoline-Powered Machines

⚠ WARNING!

GASOLINE IS A HIGHLY FLAMMABLE LIQUID. GASOLINE ALSO GIVES OFF FLAMMABLE VAPOR THAT CAN BE EASILY IGNITED AND CAUSE A FIRE OR EXPLOSION. NEVER OVERLOOK THE HAZARDS OF GASOLINE. ALWAYS FOLLOW THESE PRECAUTIONS:

- **NEVER RUN THE ENGINE IN AN ENCLOSED AREA OR WITHOUT PROPER VENTILATION AS THE EXHAUST FROM THE ENGINE CONTAINS CARBON MONOXIDE, WHICH IS AN ODORLESS, TASTELESS, AND DEADLY POISONOUS GAS.**
- **STORE ALL FUEL AND OIL IN CONTAINERS SPECIFICALLY DESIGNED AND APPROVED FOR THIS PURPOSE AND KEEP AWAY FROM HEAT AND OPEN FLAME, AND OUT OF THE REACH OF CHILDREN.**
- **FILL THE GASOLINE TANK OUTDOORS WITH THE ENGINE OFF AND ALLOW THE ENGINE TO COOL COMPLETELY. DON'T HANDLE GASOLINE IF YOU OR ANYONE NEARBY IS SMOKING, OR IF YOU'RE NEAR ANYTHING THAT COULD CAUSE IT TO IGNITE OR EXPLODE. REPLACE THE FUEL TANK AND FUEL CONTAINER CAPS SECURELY.**
- **IF YOU SPILL GASOLINE, DO NOT ATTEMPT TO START THE ENGINE. MOVE THE MACHINE AWAY FROM THE AREA OF THE SPILL AND AVOID CREATING ANY SOURCE OF IGNITION UNTIL THE GAS VAPORS HAVE DISSIPATED. WIPE UP ANY SPILLED FUEL TO PREVENT A FIRE HAZARD AND PROPERLY DISPOSE OF THE WASTE.**
- **ALLOW THE ENGINE TO COOL COMPLETELY BEFORE STORING IN ANY ENCLOSURE. NEVER STORE THE MACHINE WITH GAS IN THE TANK OR A FUEL CONTAINER, NEAR AN OPEN FLAME OR SPARK SUCH AS A WATER HEATER.**
- **NEVER MAKE ADJUSTMENTS OR REPAIRS WITH THE ENGINE RUNNING. DISCONNECT THE SPARK PLUG WIRE(S) AND KEEP THE WIRE(S) AWAY FROM THE SPARK PLUG(S) TO PREVENT ACCIDENTAL STARTING.**
- **NEVER TAMPER WITH SAFETY DEVICES. CHECK THEIR PROPER OPERATION REGULARLY.**
- **DO NOT CHANGE THE ENGINE GOVERNOR SETTINGS OR MODIFY THE ENGINE SPEED.**
- **TO REDUCE FIRE HAZARD, KEEP THE ENGINE AND MUFFLER FREE OF DEBRIS BUILD-UP.**

⚠ CAUTION!

THE MOWER MUST BE OPERATED SAFELY TO PREVENT OR MINIMIZE THE RISK OF MINOR OR MODERATE INJURY. UNSAFE OPERATION CAN CREATE A NUMBER OF HAZARDS FOR YOU. ALWAYS TAKE THE FOLLOWING PRECAUTIONS WHEN OPERATING THIS MOWER:

- **KEEP IN MIND THAT THE OPERATOR OR USER IS RESPONSIBLE FOR ACCIDENTS OR HAZARDS OCCURRING TO OTHER PEOPLE, THEIR PROPERTY, AND THEMSELVES.**
- **USE EAR PROTECTORS OR EAR PLUGS RATED FOR AT LEAST 20 DBA TO PROTECT YOUR HEARING.**
- **WEAR LONG PANTS WHILE MOWING.**
- **USE CAUTION WHEN MOWING CLOSE TO FENCES, BUILDINGS, TREES, ETC.; SO AS NOT TO HIT THE HANDLE BAR. DOING SO, YOU MAY INJURE YOUR HAND OR LOSE CONTROL OF THE MACHINE.**
- **SEE MANUFACTURER'S INSTRUCTIONS FOR PROPER OPERATION AND INSTALLATION OF ACCESSORIES. ONLY USE ACCESSORIES APPROVED BY COUNTRY HOME PRODUCTS, INC.**
- **KEEP ALL NUTS AND BOLTS TIGHT, ESPECIALLY THE BLADE ATTACHMENT BOLT, AND KEEP THE EQUIPMENT AND ATTACHMENTS IN GOOD OPERATING CONDITION.**
- **THE MOWER BLADE IS SHARP AND CAN CUT. WRAP THE BLADE OR WEAR GLOVES, AND USE EXTRA CAUTION WHEN SERVICING.**
- **NO LIST OF WARNINGS AND CAUTIONS CAN BE ALL-INCLUSIVE. IF SITUATIONS OCCUR THAT ARE NOT COVERED BY THIS MANUAL, THE OPERATOR MUST APPLY COMMON SENSE AND OPERATE THIS MOWER IN A SAFE MANNER. CALL 1(800) DR-OWNER (376-9637) FOR ASSISTANCE.**

A Note to All Users

Under California law, and the laws of some other states, you are not permitted to operate an internal combustion engine using hydrocarbon fuels without an engine spark arrester. This also applies to operation on US Forest Lands. All DR FIELD and BRUSH MOWERS shipped to California and Washington State are provided with spark arresters. Failure of the owner/operator to maintain this equipment in compliance with state regulations is a misdemeanor under California law and may be in violation of other state and/or federal regulations. Contact your local fire marshal or forest service for specific information in your area.

Additional Information and Potential Changes

Country Home Products, Inc. reserves the right to discontinue, change, and improve its products at any time without notice or obligation to the purchaser. The descriptions and specifications contained in this manual were in effect at printing. Equipment described within this manual may be optional. Some illustrations may not be applicable to your machine.

CHAPTER 3

SETTING UP YOUR DR FIELD AND BRUSH MOWER

This chapter outlines a few simple steps you will need to follow to set up your new machine before you use it. It may be helpful to familiarize yourself with the controls and features on your mower by reviewing the picture in the next section before beginning the steps outlined in this chapter. **If you have any questions at all, please feel free to contact our Customer Service Representatives at our toll free number: 1-800-DR-OWNER (376-9637).**

DR FIELD and BRUSH MOWER Controls and Features

NOTE: *The model shown in* ***Figure 1*** *may look slightly different from your machine.*

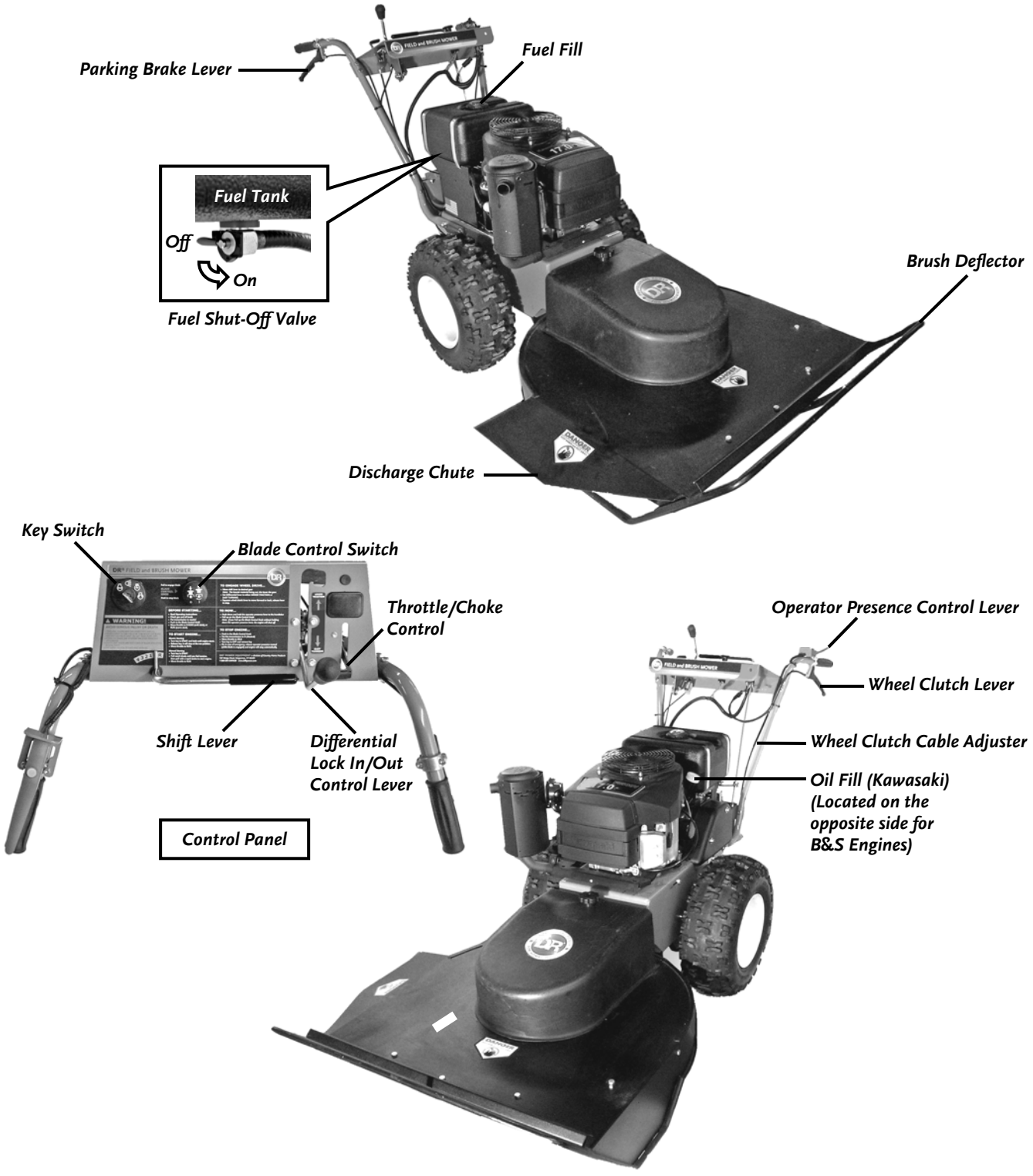


Figure 1

Unpacking the Mower

NOTE: *Unpacking the DR FIELD and BRUSH MOWER is a two-person job. We recommend you have an extra set of hands available before you begin.*

Tools & Supplies Needed:

- Screwdriver
- Hammer
- Knife
- Gloves

⚠ CAUTION!

THE BANDING MAY HAVE A LOT OF TENSION ON IT AND MAY SNAP AND CUT YOU. ALWAYS STAND TO ONE SIDE WHEN CUTTING THE BAND.

1. Stand to one side and cut the banding.
2. Remove the top of the carton. Cut the cardboard top to bottom on one of the narrow sides of the box and peel it off the pallet. Be careful of the staples.
3. Pry off the fasteners and cut any ties holding the machine to the pallet.

⚠ CAUTION!

WEAR GLOVES AND BE VERY CAREFUL WHEN HANDLING THE DECK(S). THE BLADES ARE VERY SHARP, AND MAY SPIN AS YOU MANEUVER THE DECK(S).

4. Remove the Brush Deck by lifting it up and over the supporting lumber, and then remove the lumber. You may need to remove one of the cross slats. At this point, the Lawn Deck (if ordered) is free standing and can be lifted off the pallet.
5. Roll the Power Unit off the pallet. Do not discard the cardboard and pallet until you are fully satisfied with your new DR FIELD and BRUSH MOWER.

⚠ WARNING!

BEFORE ATTACHING THE DECK, BE SURE THE SPARK PLUG WIRE(S) IS DISCONNECTED.

6. Attach the Deck to the Power Unit following the directions on the next page. The Belt is stored below the black Pulley Cover.
7. If assembling the Lawn Deck, mount the front Caster Wheels before attaching the Deck to the Power Unit.

NOTE: *The Safety and Operating Instructions and the Caster Wheels for the Lawn Deck (if ordered) are tucked in one of the cardboard corner supports*

To Install the Brush Deck

Figure 2

⚠ WARNING!

BEFORE PERFORMING ANY MAINTENANCE PROCEDURE, STOP THE ENGINE AND DISCONNECT THE SPARK PLUG WIRE(S).

1. Remove the black Belt Guard by unscrewing the black Knob, lifting the Cover and pulling up and back to remove it. The Belt shipped wrapped around the Pulley.
2. Slide the Power Unit shaft into the Brush Deck and install the Collar and Pin (***Figure 2***).

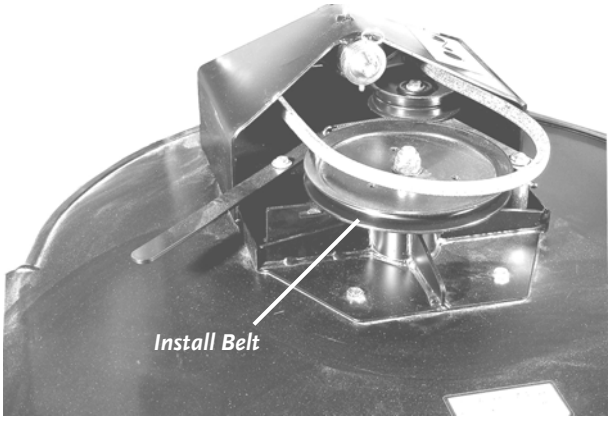


Figure 3

3. Install the Belt on the Pulley and Clutch (***Figure 3***) and route the Belt per the label on the Spindle Housing (***Figure 4***). The Tension Lever may have to be released and secured into slot. (***Figure 5***).
4. Release the Belt Tensioner (***Figure 5***) onto the Belt.
5. Replace the Belt Guard and secure in place with the black Knob.

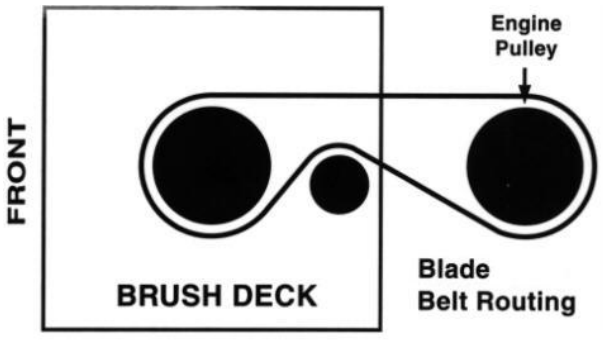


Figure 4

Belt Tension Lever

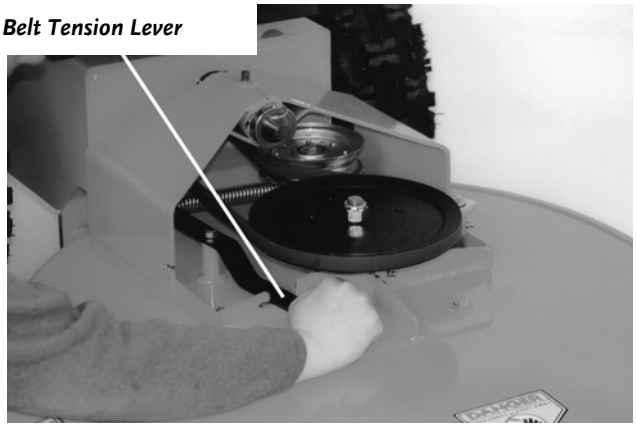


Figure 5

Connecting the Battery Wire (Electric-Starting Models Only)

We ship all electric-starting mowers with the negative terminal battery wire disconnected. This prevents the battery from discharging during shipment. Before using your mower, you must connect the battery wire.

Tools Needed:

- (2) 5/16" wrenches or sockets

Connect the negative wire to the negative terminal on the battery (***Figure 6***).

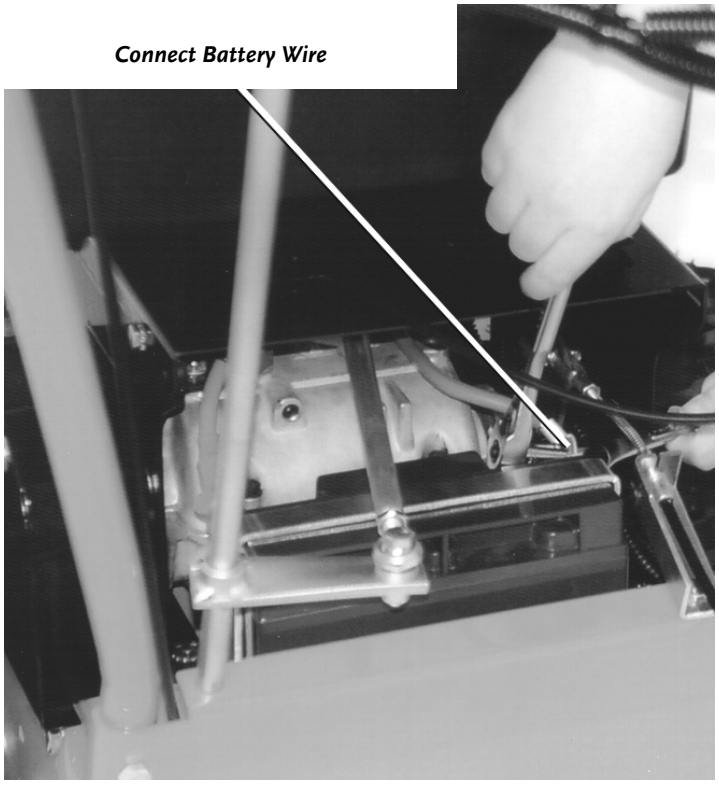


Figure 6

Adding Oil and Gasoline

NOTICE!

- **YOU MUST ADD OIL BEFORE STARTING THE ENGINE. THIS MACHINE SHIPPED WITHOUT OIL. TRACES OF OIL MAY BE IN THE RESERVOIR FROM FACTORY TESTING, BUT YOU MUST ADD OIL BEFORE STARTING THE ENGINE. FILL THE RESERVOIR SLOWLY CHECKING THE DIPSTICK FREQUENTLY TO AVOID OVERFILLING.**
- **TO GET AN ACCURATE READING WHEN CHECKING THE OIL LEVEL:**
  - ⇒ **THE MACHINE SHOULD BE ON A LEVEL SURFACE.**
  - ⇒ **THE DIPSTICK SHOULD BE SCREWED DOWN ON BRIGGS & STRATTON ENGINES.**
  - ⇒ **THE DIPSTICK SHOULD *NOT* BE SCREWED DOWN ON KAWASAKI ENGINES.**

Tip: To avoid confusion, we recommend leaving the caps ON the fuel and oil fills until you are ready to pour either gasoline or oil into the correct fill.

NOTE: *Use only SAE 30 high detergent oil. Other types of oil could cause problems operating your machine. Please refer to your Engine Owner's Manual for detailed oil information.*

Approximate Engine Oil Required w/ Oil Filter	
Briggs & Stratton – 11.5 HP	48 oz. (1.42 L)
Briggs & Stratton – 13 HP	48 oz. (1.42 L)
Kawasaki – 15 HP	57.6 oz. (1.7 L)
Kawasaki – 17 HP	57.6 oz. (1.7 L)

1. Place the machine on a level surface and initially add 1/2 of the SAE 30 high detergent oil recommended by the engine manufacturer into the Oil Fill (***Figure 1*** on page 12) and wait one minute for the oil to settle.
2. Check the dipstick and continue adding a few ounces of oil at a time, rechecking the dipstick until the oil reaches the fill mark. Be careful not to overfill.
3. Fill the gas tank to within 1/4 inch of the top with fresh, unleaded gas. See your Engine Owner's Manual for more information.
4. **Open the Fuel Shut-Off Valve**, which is located on the bottom of the tank and accessed from the rear (***Figure 1***), if your model is equipped with one.

Check the Tire Pressure

There should be 14 psi in each tire.

CHAPTER 4

OPERATING YOUR DR FIELD AND BRUSH MOWER

This chapter covers the procedures for starting and stopping your new DR FIELD and BRUSH MOWER and discusses basic operation features. You may find it helpful to review the DR FIELD and BRUSH MOWER Controls and Features picture (***Figure 1***) on page 12 before reading this chapter.

The Pre-Start Safety Check

Your DR FIELD and BRUSH MOWER is fitted with an Operator Presence System to prevent the blade from cutting without an operator in the proper position at the controls. Also, normal wear and tear can bring about the need for adjustment to some running parts to insure that they function properly in terms of safe operation.

For your protection, it is imperative that you *perform these test procedures before each use of the machine* to verify that the safety equipment is in good order and that no part adjustments are needed for safe operation.

Test your Operator Presence Control System:

1. Stand in the Operating Position behind the Handlebars, start your machine, and engage the Blade.
2. Remain behind the Handlebars and release both hands from the controls.
3. THE ENGINE SHOULD SHUT OFF IMMEDIATELY. If your engine does not stop, your Operator Presence Control System may be damaged or disabled.

⚠ WARNING!

TURN OFF YOUR MACHINE BY USING THE IGNITION KEY AND STOP USING YOUR MACHINE IMMEDIATELY!

Inspect the system for the following:

- Intentional disabling of the system through part modification or temporary measures used to override the system.
- Loose electrical connections.
- Broken parts.

After inspection, repeat this test. If your system still does not operate properly, REMOVE THE KEY FROM THE IGNITION SWITCH TO PREVENT OTHERS FROM OPERATING THE EQUIPMENT.

Call our Technical Support Representatives at **1(800) DR-OWNER (376-9637)** for assistance**.**

Checking and adjusting the Clutch engagement:

1. Start your machine in the normal manner.
2. With the Operator Presence Lever depressed, shift into low gear.
3. Increase the engine rpm but do not squeeze the Clutch Lever. The machine should not move when you are NOT squeezing the Clutch Lever.

⚠ CAUTION!

IF YOUR MACHINE "CREEPS" DURING THIS TEST, YOUR CLUTCH NEEDS ADJUSTMENT. CONSULT CHAPTER 5, PAGE 31 OF YOUR SAFETY AND OPERATING MANUAL, AND MAKE ALL NECESSARY CORRECTIONS BEFORE USING.

Before Starting the Engine

1. Check the oil level every time you use the machine.
2. Check the gas level.
3. Open the Fuel Shut-Off Valve (on the bottom of the gas tank), if your model is equipped with one.

Electric-Starting

1. Move the Shift Lever to N (Neutral). See mower picture, ***Figure 1***, on page 12.

***NOTE*:** The *Shift Lever MUST be in NEUTRAL and the Blade Engage Button pushed DOWN, or the engine will not start.*

2. Move the Throttle (***Figure 1***) to the CHOKE position (to the RUN position if the engine is already warm).
3. Turn the Key (***Figure 1***) to the START position until the engine starts, then release. The key will snap back to the RUN position and the engine will continue to run.
4. Move the Throttle to the RUN position.

Manual-Starting (if equipped)

1. Move the Throttle (***Figure 1***, on page 12) to the CHOKE position (to the RUN position if the engine is already warm).
2. Turn the Key (***Figure 1***) to START.
3. Grasp the Recoil Starter Handle and slowly pull until you feel resistance. Let the cord retract a little bit, then pull the cord rapidly to start the engine. One or two pulls usually starts the DR FIELD and BRUSH MOWER.
4. Move the Throttle to the RUN position.

Engaging the Wheel Drive

The DR FIELD and BRUSH MOWER has a four-speed forward transmission and single-speed reverse. Forward speeds range from 1.1 mph in first gear to 4.5 mph in fourth gear. Use the lower gears for mowing in thick, woody vegetation and the higher gears for wide-open areas and lighter vegetation, or as "travel gears." Reverse is ideal for maneuvering in tight spots.

NOTE: *Always release the Wheel Clutch Lever (**Figure 1**, on page 12) when shifting gears.*

1. Move the Shift Lever to the desired gear.
2. Disengage the Parking Brake.
3. Gently squeeze the Wheel Clutch Lever to engage a gear.
4. Release the Wheel Clutch Lever if you need to slow down or stop.

Engaging the Blade

1. Hold down the Operator Presence Lever (***Figure 1***, on page 12).
2. Engage the Blade by pulling UP on the Blade Engage/Disengage Switch Knob (***Figure 1***).

NOTE: *If you pull UP on the Blade Engage/Disengage Knob before holding down the Operator Presence Lever, the engine will shut off.*

⚠ CAUTION!

ALWAYS DISENGAGE THE BLADE OF THE DR FIELD AND BRUSH MOWER BEFORE SHIFTING INTO REVERSE.

Stopping the Blade

Push DOWN on the Blade Engage/Disengage Switch Knob (***Figure 1***, on page 12).

NOTE: *Releasing the Operator Presence Lever to disengage the Blade will cause the engine to shut off.*

Stopping the Engine

1. Disengage the Blade by pushing DOWN on the Blade Engage/Disengage Switch Knob (***Figure 1***, on page 12).
2. Set the Parking Brake.
3. Move the Shift Lever to the N (Neutral) position.
4. Move the Throttle Control to the IDLE position.
5. Turn the Key to the OFF position and remove it for safety.

NOTE: *If your machine is equipped with a Fuel Shut-Off Valve, close it when transporting or storing the mower.*

Obstacle Tips

Dealing with obstacles in the terrain is easy with your new DR FIELD and BRUSH MOWER. The following section explains how to approach most common obstacles.

⚠ WARNING!

THE MOWER ENGINE'S POWER CAN EASILY THROW STONES, STICKS, AND OTHER DEBRIS AT GREAT VELOCITY, WHICH COULD CAUSE PERSONAL INJURY OR PROPERTY DAMAGE. DO NOT RUN THE MACHINE OVER GRAVEL DRIVEWAYS OR OVER LOOSE STONES OR MULCH WITH THE MOWER BLADE SPINNING.

- Always check your work area before mowing and remove any debris that might tangle or damage the machine.
- If you do run into debris and the mower becomes tangled, turn off the engine and disconnect the spark plug wire(s) before attempting to untangle the machine.

Slopes

⚠ WARNING!

WHEN OPERATING THE DR FIELD AND BRUSH MOWER OVER UNEVEN TERRAIN OR SLOPES, USE EXTREME CAUTION NOT TO TIP OVER THE MACHINE.

1. Do not use the DR FIELD and BRUSH MOWER on slopes greater than 20 degrees. Doing so could result in serious injury or damage to your machine.
2. If you have to mow on sloping terrain, mow across the slope, not up and down, for better control.

Tip: Locking IN the differential will improve traction, and keep the machine traveling on a straighter path. Once on level terrain, Lock OUT the differential for easier turning.

3. To avoid "free-wheeling", shift into a lower gear before going down a slope. Do not shift while on a slope.
4. Note that the mowing deck pivots from side to side, which helps avoid scalping, and keeps the weight balanced over the drive wheels when operating on uneven terrain (***Figure 7***).

Figure 7

If the machine gets hung up

1. Disengage the Blade. Do not try to free the machine from stumps or debris while the blade is engaged.
2. Try putting the machine in reverse and backing away from the obstacle.
3. Try pushing down on the handlebars to lift the mowing deck over the obstacle (***Figure 8***).

Push Down on Handlebars to Clear Debris

Figure 8

⚠ WARNING!

- **IF YOU NEED TO LEAVE THE OPERATING POSITION TO CLEAR DEBRIS FROM THE DECK, FIRST PUT THE MACHINE IN "N" (NEUTRAL), TURN THE ENGINE OFF, SET THE BRAKE AND DISCONNECT THE SPARK PLUG WIRE(S).**
- **DO NOT TOUCH THE EXHAUST AREAS WHEN REACHING FOR THE SPARK PLUG(S)—THEY ARE VERY HOT.**

Cutting Brush and Saplings

1. When cutting woody material, small saplings, etc., allow the machine to ride up and over material slowly. Adjust your forward speed to varying conditions (***Figure 9***).
2. After cutting brush, etc., you may want to mow over it again to remove any remaining branches. It works best to mow from the trunk end toward the top as brush lies on the ground.

Figure 9

Reverse

1. Be very careful of your footing when operating the machine in reverse. Know what's behind you and take your time.
2. Disengage the Blade before shifting into reverse. Mow in the forward gears only, using reverse for maneuvering.
3. If you find it difficult to shift into reverse, lightly "feather" the Clutch Lever as you put the Shift Lever into reverse, then quickly release the Clutch Lever.

Cutting in Wet and Heavy Growth

1. Be very careful of your footing when mowing in wet conditions. Avoid steep slopes and other slippery areas.
2. Use a lower, slower speed when mowing in wet conditions.

Cold Weather Operation

At temperatures below 30°F and a high dew point, your DR FIELD and BRUSH MOWER engine may experience icing of the carburetor and/or the crankcase breather system. Country Home Products, Inc. offers an optional engine cover to prevent icing in these weather conditions. The cover can be purchased through Country Home Products, Inc. by calling **1(800) DR-OWNER (376-9637)**. Please have your DR FIELD and BRUSH MOWER Model# and Serial# at hand when the call is placed.

Tip: As a preventative measure to prevent control cable freeze up; prior to using your DR FIELD and BRUSH MOWER in cold weather, inject “dry gas” into the Brake, and Clutch cable-housing openings to absorb any moisture that may have collected. Tip the machine forward slightly so the “dry gas” will flow down the inside of the housings, and then lubricate as outlined on page 25.

CHAPTER 5

MAINTAINING THE DR FIELD AND BRUSH MOWER

This chapter covers regular maintenance procedures that will ensure the best performance and long life of your machine. For engine maintenance, please refer to the Engine Owner's Manual that came with your mower. Service intervals listed in the checklist below supercede those listed in the Engine Owner's Manual.

⚠ WARNING!

SOME OF THE FOLLOWING PROCEDURES REQUIRE ACCESS TO THE UNDERSIDE OF THE MACHINE. IF YOU NEED TO TIP THE MACHINE BACK OR ON ITS SIDE (WITH THE DISCHARGE CHUTE FACING UP), YOU MUST FIRST DISCONNECT THE SPARK PLUG WIRE(S), DRAIN THE OIL AND GAS, AND REMOVE THE AIR FILTERS.

Regular Maintenance Check List

***NOTE*:** Consider that the s*ervice intervals shown are maximum under normal operating conditions. Increase frequencies under extremely dirty or dusty conditions.*

Procedure	Before Each Use	Every 25 Hours	Every 100 Hours
Check Operator Presence Switch	▲		
Check Engine Oil Level	▲		
Check General Equipment Condition	▲		
Check Blade for Sharpness	▲		
Lubricate Grease Fittings		▲	
Lubricate Clutch and Brake Cables*		▲	
Lubricate Chain and Lock In/Out Sleeve*		▲	
Check Tire Pressure		▲	
Change Engine Oil and Filter**	1st time 5 hours	▲	
Check Parking Brake Adjustment		▲	
Clean Engine Exterior and Cooling Fins		▲	
Check All Belt Tensions and Condition		▲	
Check cable connections		▲	
Replace Air Filter and Precleaner**		▲	
Replace Spark Plug(s)			▲

* FLUID FILM® lubricant or SAE 30 oil. NEVER use penetrating oil.

** The engine on your DR may not have a Precleaner or Oil Filter.

Battery Care (For Electric-Starting Models Only)

Proper care can extend the life of a battery. Follow these recommendations to ensure your battery's best performance and long life:

- Do not allow the battery charge to get too low. If the machine is not used, charge the battery every 4 – 6 weeks. Operate the Engine for at least 45 minutes to maintain proper battery charge.
- Store an unused battery in a dry area that does not freeze.
- Do not charge an already charged battery. In theory, you cannot overcharge our battery with a trickle charger; however, when a battery is fully charged and the charger is still on, it generates heat that could be harmful to the battery. A fully charged battery will read 12V-13.2V with a voltmeter.
- Do not continue to crank your engine when the battery charge is low.

Charging the Battery

Operate the mower engine for at least 45 minutes to maintain proper battery charge. If the battery loses its charge, you'll need to use a trickle charger (like the DR Battery Charger) to recharge it. The charger should have an output of 12 volts at no more than 2 amps.

- At 1 amp the battery may need to be charged for as long as 48 hours.
- At 2 amps, the battery may need to be charged for as long as 24 hours.

NOTE: *Using the recoil starter and then running the engine will not recharge a dead or significantly discharged battery.*

To connect a battery charger to your DR FIELD and BRUSH MOWER, follow the steps listed below.

1. Detach the two battery wires going to the battery on your DR FIELD and BRUSH MOWER.
2. Attach the black (-) battery charger wire to the battery negative (-) terminal, and attach the red (+) battery charger wire to the battery positive (+) terminal.
3. Plug the battery charger into an outlet.

⚠ NOTICE!

WHEN YOU ARE FINISHED CHARGING THE BATTERY, DISCONNECT THE CHARGER FROM THE OUTLET FIRST, THEN DISCONNECT THE BATTERY CHARGER WIRES FROM THE BATTERY. IF YOU LEAVE THE BATTERY CHARGER WIRES CONNECTED TO THE BATTERY, THE BATTERY WILL DISCHARGE ITSELF BACK INTO THE CHARGER.

Lubrication

Your DR FIELD and BRUSH MOWER was greased at the Factory. The operator needs to periodically lubricate the Wheel Clutch Cable, Brake Cable, Belt Idler Arm, Drive Chain, and the Differential Lock In/Out Cable and Sleeve Shaft.

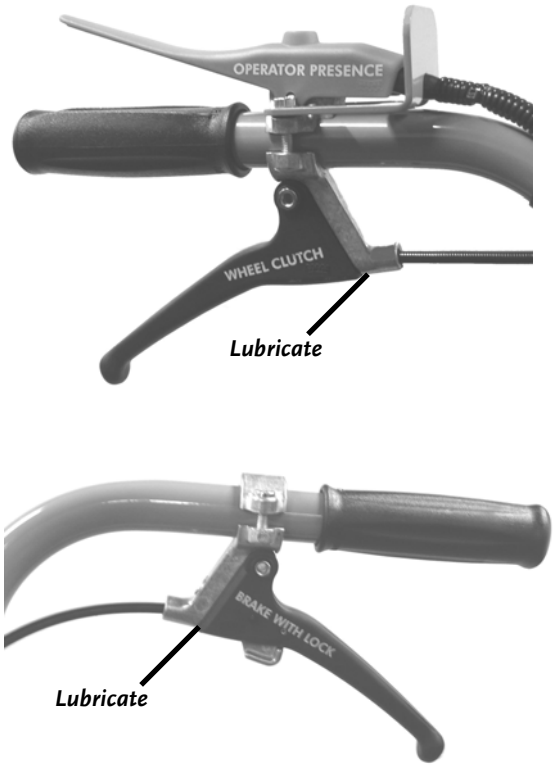
Tools & Supplies Needed:

- Flexible hose grease gun
- Lithium grease
- 1/2" wrench or socket (chain cover)
- FLUID FILM® or comparable lubricant

⚠ WARNING!

BEFORE PERFORMING ANY MAINTENANCE PROCEDURE OR INSPECTION, STOP THE ENGINE, WAIT FIVE (5) MINUTES TO ALLOW ALL PARTS TO COOL. DISCONNECT THE SPARK PLUG WIRE(S), KEEPING IT AWAY FROM THE SPARK PLUG(S).

Lubricate the Parking Brake cable, Wheel Drive Clutch cable and the Differential Lock In/Out cable with FLUID FILM® or comparable lubricant. Spray the lubricant into the cable housing while working the cable back and forth and few times. Do this at both ends of the cables (***Figure 10***). Perform this lubrication more often in dry and dusty environments.



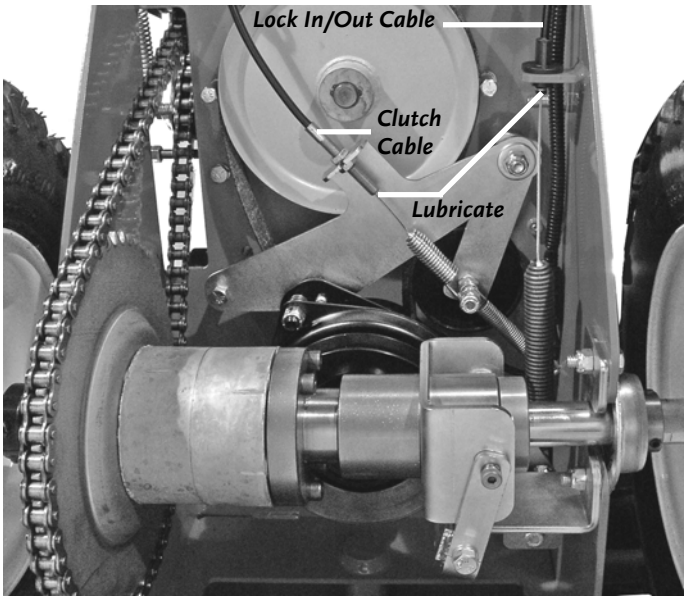


Figure 10

Figure 11

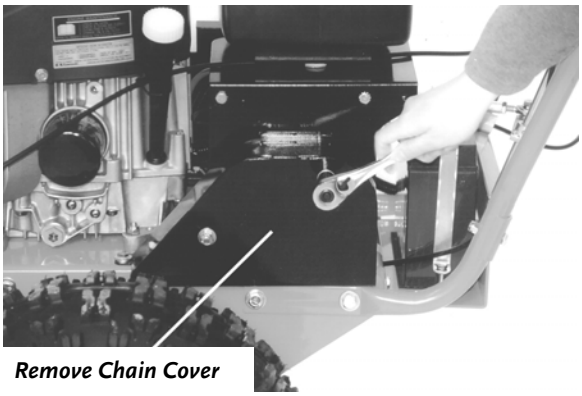


Figure 12

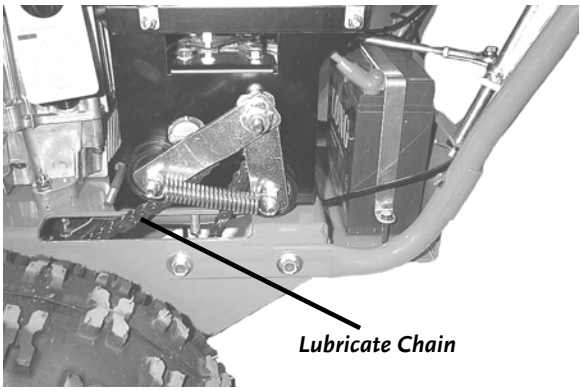


Figure 13

1. There is one grease fitting below the black Belt Guard that needs lubrication (***Figure 11***):

- The Belt Idler Arm should have 1-2 pumps of grease every 25 operating hours.

NOTE: *Over greasing will cause grease to leak out of the seals onto the mower Drive Belt. Unless instructed otherwise, pump only until you feel slight resistance (1-2 pumps).*

2. The Drive Chain should be lubricated with FLUID FILM® lubricant or SAE 30 oil every 25 operating hours—more often if the machine is operated in extremely dusty or wet conditions. Remove the Chain Cover, lubricate the Chain, and replace the Cover (***Figures 12 and 13***).
3. Place the Differential Lock In/Out Lever in the OUT position.
4. Clean the Lock In/Out Sleeve Shaft of any accumulated grass and debris with a cloth and lubricate the Shaft using FLUID FILM® lubricant or SAE 30 oil (***Figure 14***).
5. Move the Differential Lock In/Out Lever back and forth a few times to distribute the lubricant on the Lock In/Out Sleeve Shaft.

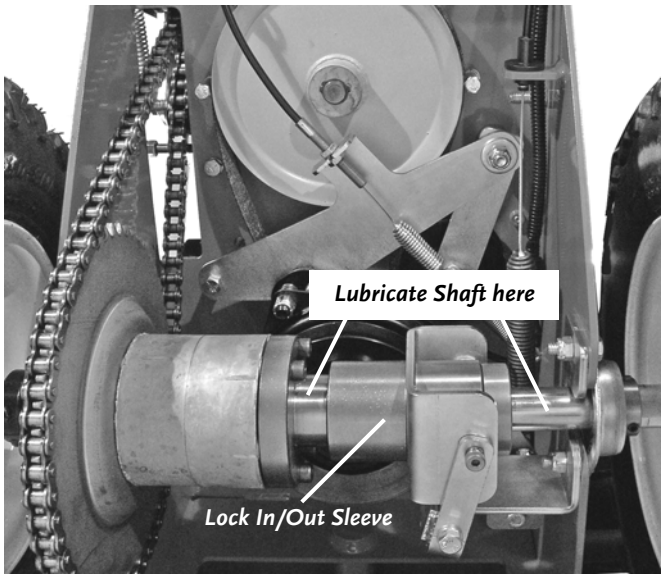


Figure 14

Removing and Replacing the Belts

⚠ WARNING!

BEFORE PERFORMING ANY MAINTENANCE PROCEDURE OR INSPECTION, STOP THE ENGINE, WAIT FIVE (5) MINUTES TO ALLOW ALL PARTS TO COOL. DISCONNECT THE SPARK PLUG WIRE(S), KEEPING IT AWAY FROM THE SPARK PLUG(S).

⚠ NOTICE!

USE ONLY DR BELTS ON YOUR MACHINE. THEY HAVE BEEN THOROUGHLY TESTED AND PROVEN FOR MANY HOURS OF USE.

To Replace the Blade Belt

1. Remove the black Belt Guard by unscrewing the black Knob, lifting the cover, and pulling up and back to remove it.

2. Release the Belt Tension Lever (***Figure 15***).

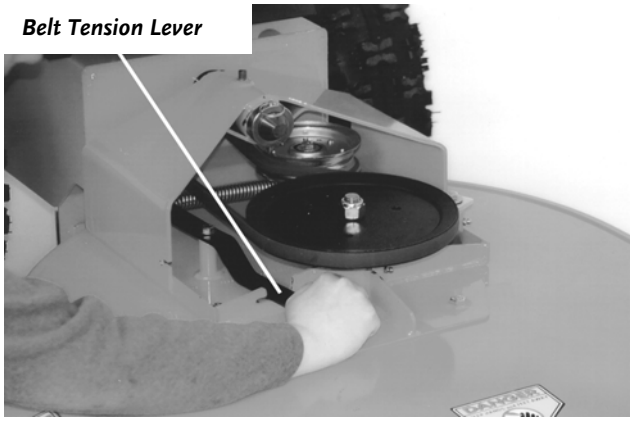


Figure 15

3. Remove the Belt from the Pulley (***Figure 16***), and then drop it from the Engine Pulley below the machine.
4. To mount the Belt, follow the above procedure in reverse.

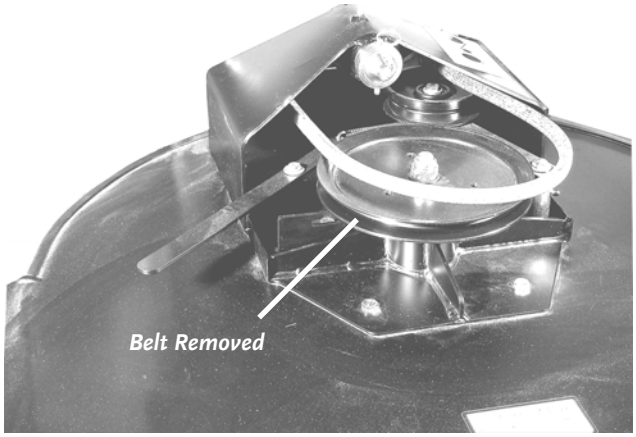


Figure 16

To Replace the Drive Belt

⚠ WARNING!

BEFORE PERFORMING ANY MAINTENANCE PROCEDURE OR INSPECTION, STOP THE ENGINE, WAIT FIVE (5) MINUTES TO ALLOW ALL PARTS TO COOL. DISCONNECT THE SPARK PLUG WIRE(S), KEEPING IT AWAY FROM THE SPARK PLUG(S).

⚠ NOTICE!

USE ONLY DR BELTS ON YOUR MACHINE. THEY HAVE BEEN THOROUGHLY TESTED AND PROVEN FOR MANY HOURS OF USE.

Tools Needed:

- 7/16" socket
- 1/2" wrench
- 9/16" wrench
- Gloves

1. Drain the gas and oil.
2. Remove the Blade Belt following the instructions as outlined in the previous page.
3. Remove the Pin and Collar (***Figure 17***), and then pull the Power Unit away from the Deck.
4. Tilt the Power Unit forward onto the Attachment Pin.

Remove Pin and Collar

Figure 17

5. Remove the Bolt on the Clutch Bracket and the Nut on the Clutch Drive Spring (***Figure 18***).
6. Remove the Clutch Drive Spring (***Figure 19***).
7. Lift and swing the Clutch Bracket out of the way (***Figure 19***).
8. Remove the three (3) Belt Guides (***Figure 19***).
9. Loosen the Belt Retainer Bolts on the outside of the Frame (one on each side) and slide the Retainer back (***Figure 20***).
10. Remove the Belt.
11. To mount the new Belt, reverse the above procedure.

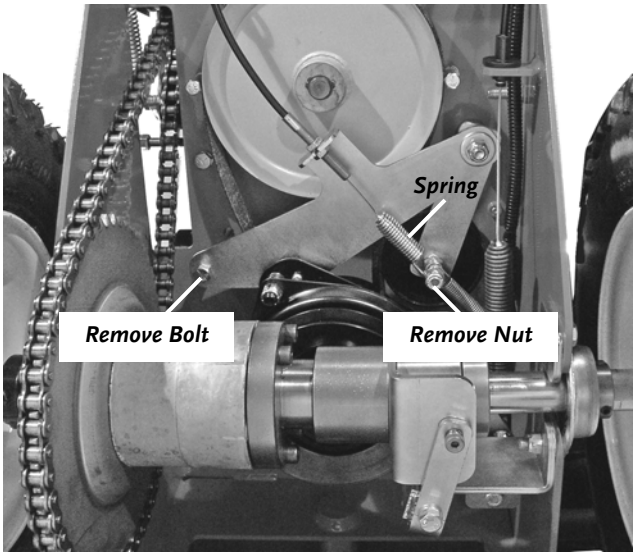


Figure 18

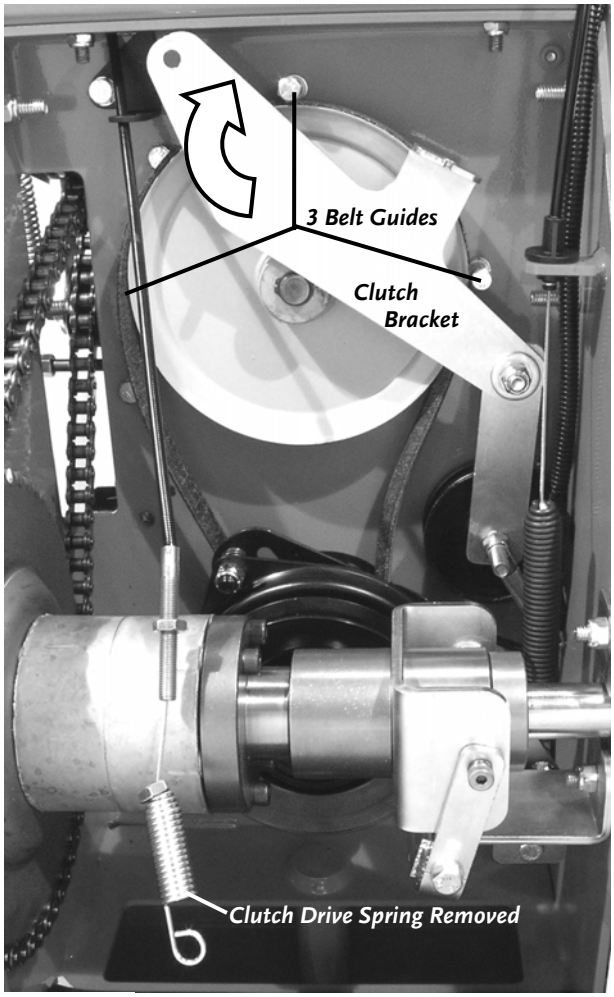


Figure 19

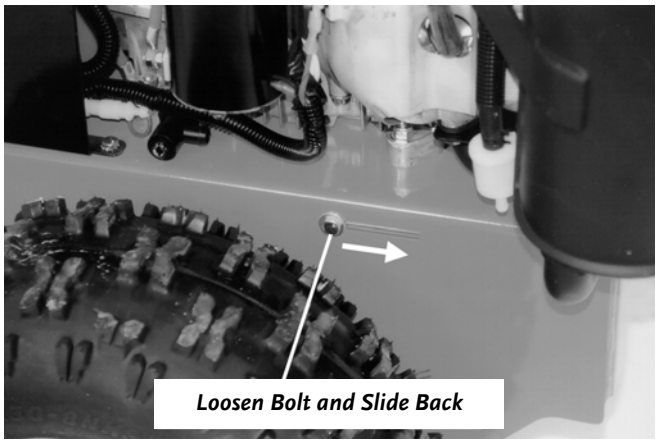


Figure 20

Removing and Replacing the Blade

⚠ WARNING!

BEFORE PERFORMING ANY MAINTENANCE PROCEDURE OR INSPECTION, STOP THE ENGINE, WAIT FIVE (5) MINUTES TO ALLOW ALL PARTS TO COOL. DISCONNECT THE SPARK PLUG WIRE(S), KEEPING IT AWAY FROM THE SPARK PLUG(S).

Tools Needed:

- 15/16" wrench or socket
- Air wrench if available
- Wear gloves
- 2 x 4 to brace the blade

1. Block the Blade with a piece of wood between the Blade and the Skid on the Chute side of the Deck (***Figure 21***).
2. Remove the Blade Lock Nut (right-hand, regular thread) and Washer.

⚠ WARNING!

USE CAUTION WHEN PUSHING OR PULLING THE WRENCH NEXT TO THE BLADE. WEAR GLOVES; IF THE WRENCH SLIPS OFF THE NUT, YOU MAY BE SERIOUSLY INJURED.

3. Remove the Blade.
4. Mount the new Blade, Washer, and Lock Nut.

NOTE: *Be sure to seat the Blade completely over the small ridge in the Spindle Hub before tightening the Lock Nut.*

Figure 21

Adjusting the Wheel Clutch

⚠ WARNING!

BEFORE PERFORMING ANY MAINTENANCE PROCEDURE OR INSPECTION, STOP THE ENGINE, WAIT FIVE (5) MINUTES TO ALLOW ALL PARTS TO COOL. DISCONNECT THE SPARK PLUG WIRE(S), KEEPING IT AWAY FROM THE SPARK PLUG(S).

NOTE: *When properly adjusted, tension on the Wheel Clutch Lever should increase when the Lever is about parallel to (almost touching) the Handlebar Grip.*

Tools Needed:

- (2) 1/2" wrenches

1. Find the Wheel Clutch Adjuster on the Clutch Bracket on the underside of the machine (***Figure 22***).
2. Loosen the Nut on the front (threaded) side of the Bracket by 1/8" to 1/4", and then tighten the Nut on the back against the Bracket. Check the tension on the Clutch Lever and repeat the adjustment as needed.

⚠ CAUTION!

IF YOU OVER TIGHTEN THE CLUTCH, THE MACHINE MAY LURCH FORWARD WHEN SHIFTING INTO GEAR. USE CAUTION WHEN SHIFTING INTO GEAR. TEST ADJUSTMENT USING THE PROCEDURE ON PAGE 18.

Wheel Clutch Adjustment

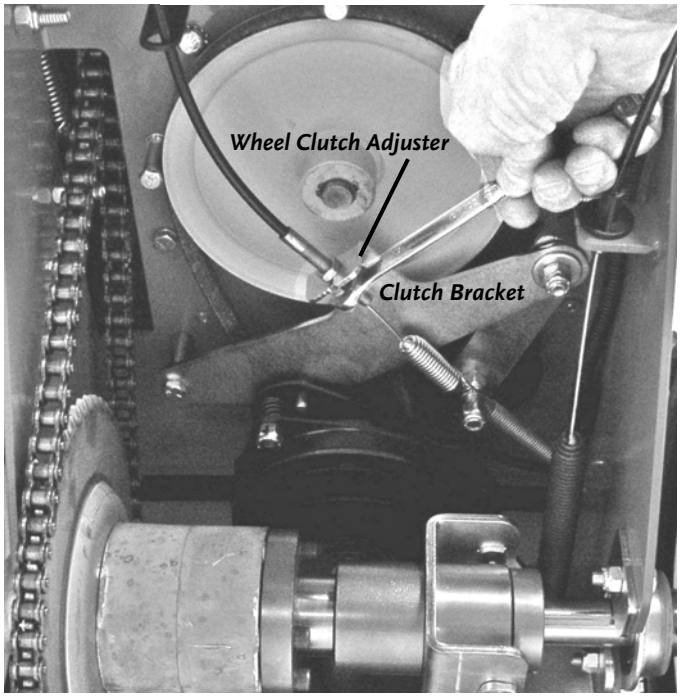
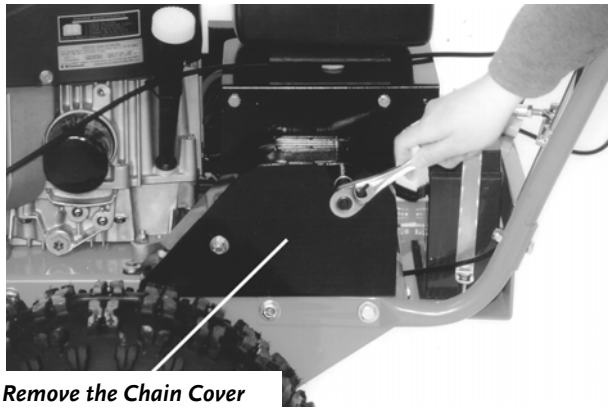


Figure 22

Removing and Replacing the Drive Chain

⚠ WARNING!

BEFORE PERFORMING ANY MAINTENANCE PROCEDURE, STOP THE ENGINE AND DISCONNECT THE SPARK PLUG WIRE(S).



Remove the Chain Cover

Figure 23

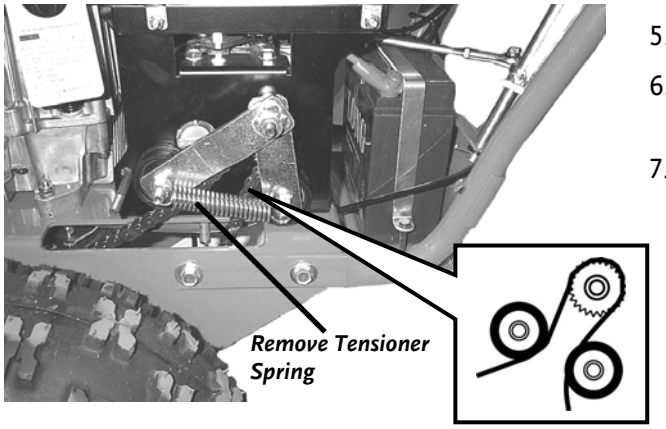


Figure 24

Tools Needed:

- 1/2" wrench or socket (chain cover)
- Flat-head screwdriver
- Needle Nose Pliers

1. Remove the Chain Cover (***Figure 23***).
2. Remove the Tensioner Spring (***Figure 24***).
3. Remove the Master Chain Link (***Figure 25***). First, remove the Lock Clip by spreading the Clip with the Screwdriver and at the same time, slide the Lock Clip back off the Master Link pins with the Needle Nose Pliers. Next, remove the Side Plate, and then remove the Master Chain Link.
4. Slowly feed the Chain out.
5. Install and route the new Chain (***Figure 24***).
6. Add the Master Chain Link (***Figure 25***) in the reverse order of step 3.
7. Replace the Chain Cover and tighten the Lock Nuts.

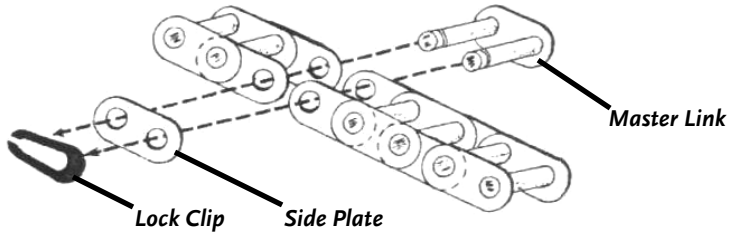


Figure 25

Adjusting the Differential Lock In/Out Cable

⚠ WARNING!

BEFORE PERFORMING ANY MAINTENANCE PROCEDURE OR INSPECTION, STOP THE ENGINE, WAIT FIVE (5) MINUTES TO ALLOW ALL PARTS TO COOL. DISCONNECT THE SPARK PLUG WIRE(S), KEEPING IT AWAY FROM THE SPARK PLUG(S).

NOTE: *If the Differential will not Lock In or Out, the cable may need adjustment.*

1. Locate the Differential Lock In/Out Cable along the right Handlebar. There is an In-Line Adjuster to change the length of the cable.
2. With the Lock In/Out Lever in the Out position (lever back), there should be a slight amount of slack in the cable exposed at the spring end (***Figure 26***) and the Lock In/Out Sleeve should be all the way to the right (toward the outside).

NOTE: *If the cable appears to have plenty of travel and sleeve is still not fully to the outside, you may have to clean and lubricate the sleeve. See page 26 for Lubrication.*

3. You can take the slack out of the cable by holding the Hex Flat Section at the top of the In-Line Adjuster and rotating the body of the In-Line Adjuster in the clockwise direction as you look up the Cable toward the Control Panel. If the Cable is too tight, you can loosen the Cable by twisting the adjuster in the opposite direction (see ***Figure 1*** on page 12).

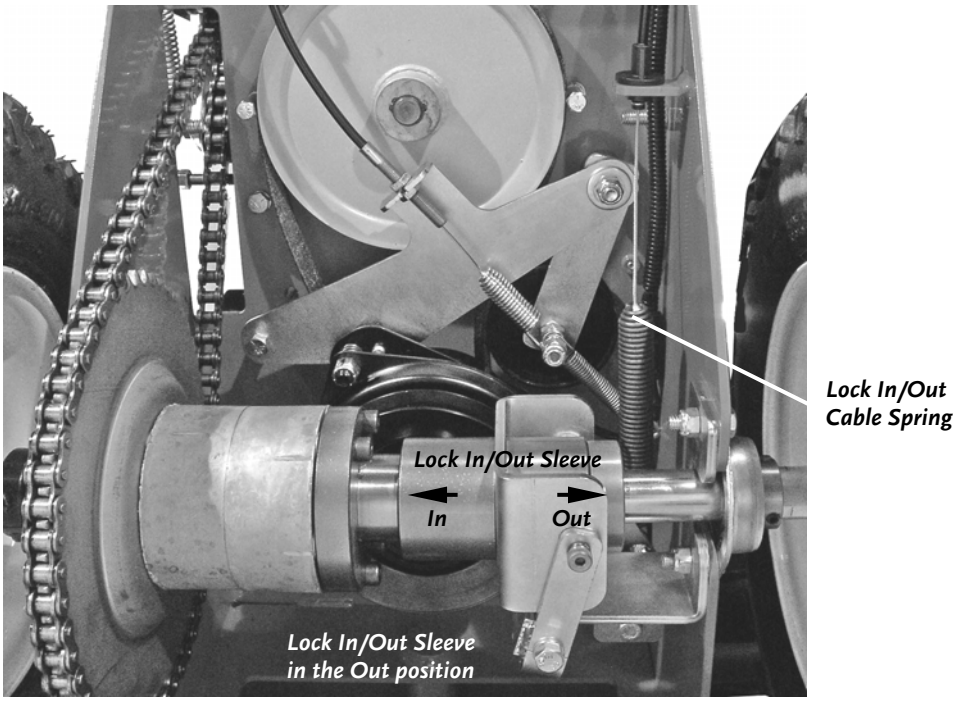


Figure 26

Removing the Wheels

⚠ WARNING!

BEFORE PERFORMING ANY MAINTENANCE PROCEDURE, STOP THE ENGINE AND DISCONNECT THE SPARK PLUG WIRE(S).

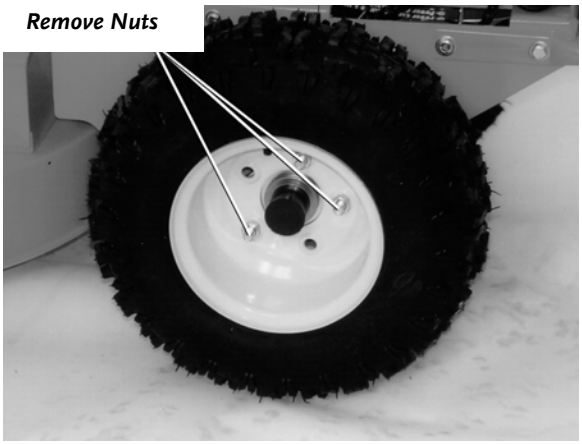


Figure 27

Tool Needed:

- 3/4" socket with extension

1. Loosen the Wheel Nuts a couple of turns with the Wheel on the ground.
2. Block the machine so the Wheel to be removed is off the ground.
3. Remove the three (3) Nuts and slide the Wheel off (***Figure 27***).
4. Replace the Wheel and finger-tighten the Wheel Nuts before unblocking the machine.
5. Tighten the Wheel Nuts with the Wheel resting on the ground.

Adjusting the Parking Brake

⚠ WARNING!

BEFORE PERFORMING ANY MAINTENANCE PROCEDURE, STOP THE ENGINE AND DISCONNECT THE SPARK PLUG WIRE(S).

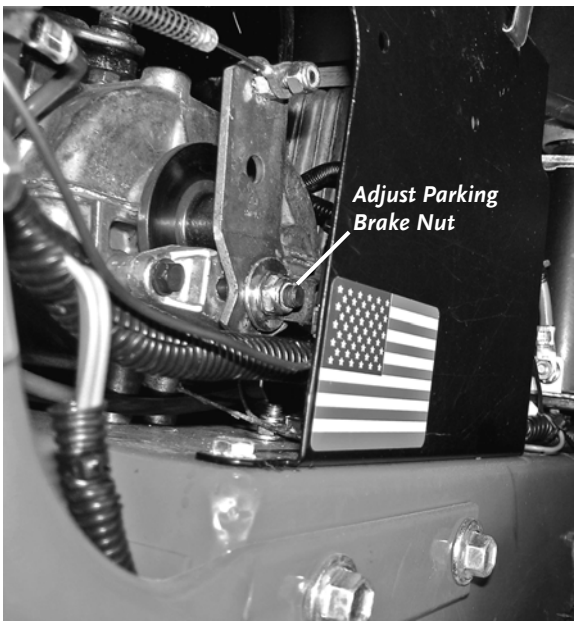


Figure 28

Tool Needed:

- 1/2" open end wrench

To adjust the Parking Brake, tighten or loosen the Nut shown in ***Figure 28***. Tightening the Nut (clockwise) will increase pressure and loosening the Nut (counterclockwise) will decrease the pressure on the Brake Pad.

Transmission

The transmission is maintenance-free. Only the Differential Lock In/Out Sleeve Shaft needs additional periodic lubrication. See the Lubrication section on page 26.

Removing or Changing the Deck

⚠ WARNING!

BEFORE PERFORMING ANY MAINTENANCE PROCEDURE OR INSPECTION, STOP THE ENGINE, WAIT FIVE (5) MINUTES TO ALLOW ALL PARTS TO COOL. DISCONNECT THE SPARK PLUG WIRE(S), KEEPING IT AWAY FROM THE SPARK PLUG(S).

1. Remove the black Belt Guard by unscrewing the black Knob, lifting the Cover and pulling up and back to remove it.
2. Release the Belt Tension Lever (***Figure 29***).
3. Remove the Belt from the Pulley (***Figure 30***).
4. Remove the Pin and Collar (***Figure 31***), and then pull the Power Unit away from the Deck.

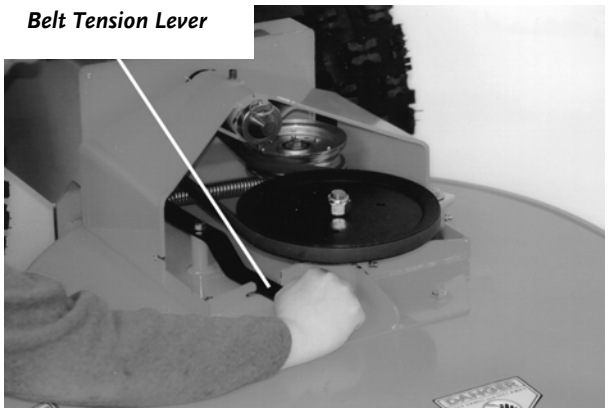


Figure 29

Figure 31

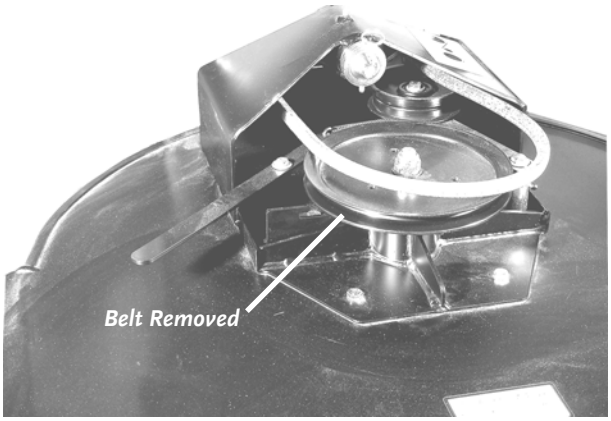


Figure 30

End of Season and Storage

⚠ WARNING!

BEFORE PERFORMING ANY MAINTENANCE PROCEDURE OR INSPECTION, STOP THE ENGINE, WAIT FIVE (5) MINUTES TO ALLOW ALL PARTS TO COOL. DISCONNECT THE SPARK PLUG WIRE(S), KEEPING IT AWAY FROM THE SPARK PLUG(S).

NOTE: *Please refer to the Engine Owner's Manual for engine-specific procedures.*

- Change the oil (and oil filter, if applicable). For winter use, use SAE 5W – 30 HD.
- Remove the spark plug(s) and pour about 1 ounce of motor oil into the cylinder hole. Replace the plug(s) and pull the Recoil Starter Rope until you feel strong resistance. This will coat the piston and seat the valves to prevent moisture buildup.
- Clean/replace the air filters.
- Clean dirt and debris from the cylinder head cooling fins, blower housing, debris screen and muffler area of the engine.
- If your engine has a fuel filter, replace it.
- If your DR FIELD and BRUSH MOWER will be idle for more than 30 days, we recommend using a gas stabilizer. This will prevent sediment from gumming up the carburetor. If there is dirt or moisture in the gas or tank, remove it by draining the tank. Completely fill the tank with fresh, unleaded gas and add the appropriate amount of stabilizer or gasoline additive. Run the engine for a short time to allow the additive to circulate. Close the Fuel Shut-Off Valve, if your machine is equipped with one, to prevent carburetor overflow and leakage.
- Store the battery in a dry area that will not freeze. If you will not use the machine over a long period, charge the battery every four to six weeks. See page 24.
- Remove any wrapped weeds from the Blade Bearing Housing. Clean grass and debris from the top and underneath the Mower Deck with a stiff brush.
- Check the Blade for nicks and wear. Remove the Blade and sharpen, or have it professionally sharpened if needed.
- Perform the lubrication as outlined on pages 25 and 26.

NOTE: *For winter use, please refer to the attachment instructions.*

CHAPTER 6

TROUBLESHOOTING

Most problems are easy to fix. Consult the Troubleshooting Table for common problems and their solutions. If you continue to experience problems call Country Home Products, Inc. for support.

Troubleshooting Table

⚠ WARNING!

BEFORE PERFORMING ANY MAINTENANCE PROCEDURE OR INSPECTION, STOP THE ENGINE, WAIT FIVE (5) MINUTES TO ALLOW ALL PARTS TO COOL. DISCONNECT THE SPARK PLUG WIRE(S), KEEPING IT AWAY FROM THE SPARK PLUG(S).

SYMPTOM	*POSSIBLE CAUSE*
Recoil will not pull out or is difficult to pull.	⇒ Check that the Blade Engage/Disengage Switch is pushed DOWN to the Disengaged position. ⇒ The recoil may be broken or jammed. Try to turn the engine pulley by hand, with the spark plug wire(s) off. If it turns, the recoil is broken or jammed. Call **1(800) DR-OWNER (376-9637)** for assistance.
The engine won't start manually. (if equipped) *(Please refer to the Engine Owner's Manual for engine-specific procedures.)*	⇒ Check that the spark plug wire(s) is attached ⇒ Check that the Fuel Shut-Off Valve is turned ON (***Figure 1*** on page 12), if your machine is equipped with one. ⇒ Are you using fresh, clean gas? If the gas is old, change it. Use a fuel stabilizer if you keep gas longer than two (2) weeks or so. ⇒ Check the Fuel Filter to see if it is clear. Place a can under the Fuel Filter and remove the fuel line from the engine side of the Filter. If gas flows freely, it's OK. ⇒ Check the Throttle adjustment and travel. ⇒ Is the Blade Engage/Disengage Switch pushed DOWN to the Disengaged position and Shift Lever in NEUTRAL? They should be. ⇒ Is the spark plug(s) clean? If the spark plug(s) is dirty or cracked, change it. If it's oily, leave it out, hold a rag over the plug hole(s) and pull the recoil cord several times to blow out any oil in the cylinder(s), then wipe off the plug(s) and reinsert it. ⇒ If your engine still won't start, call **1(800) DR-OWNER (376-9637)** for assistance.

⚠ WARNING!

BEFORE PERFORMING ANY MAINTENANCE PROCEDURE OR INSPECTION, STOP THE ENGINE, WAIT FIVE (5) MINUTES TO ALLOW ALL PARTS TO COOL. DISCONNECT THE SPARK PLUG WIRE(S), KEEPING IT AWAY FROM THE SPARK PLUG(S).

SYMPTOM	*POSSIBLE CAUSE*
The engine won't start using electric-start. *(Please refer to the Engine Owner's Manual for engine-specific procedures.)*	⇒ Have you checked all the items under the section called Electric Starting on page 18? If not, do so now. ⇒ There is a fuse in the wiring harness. Check the fuse and replace if needed. ⇒ Check the wire connections—especially the ground connection, the large black wire coming from the battery, where it connects to the engine. ⇒ Check the wire connections to the solenoid. Disconnect the black battery ground wire first to avoid sparks. Check to be sure that all of the connections are clean and tight. Reconnect the battery ground wire. ⇒ Check the ground connection on the solenoid where it is bolted to the frame. Using a wrench or socket, tighten the bolts to ensure a good connection to the frame. ⇒ Is your battery charged? Check the voltage yourself or at a gas station. If it's low, charge it with a 12-volt, 1 to 2 Amp trickle charger. If you don't use your mower for at least 45 minutes at a time, the battery may need to be periodically charged. See the Battery Care section on page 24. ⇒ If your battery is charged and your DR still won't start, call **1 (800) DR-OWNER (376-9637)** for assistance.
The engine lacks power or is not running smoothly. *(Please refer to the Engine Owner's Manual for engine-specific procedures.)*	⇒ Check the Throttle Lever travel and adjustment. Is the Throttle Lever in the Run position? ⇒ Is the air filter clean? If it's dirty, change it following the procedure in the Engine Owner's Manual. ⇒ Is the spark plug(s) clean? If it's fouled or cracked, change it. If it's oily, leave it out, hold a rag over the plug hole(s) and pull your recoil cord several times to blow out any oil in the cylinder, then wipe off the plug(s) and reinsert it. ⇒ Are you using fresh, clean unleaded gas? If it's old, change it. Use a fuel stabilizer if you keep gas longer than two weeks or so. ⇒ Does your engine have the right amount of clean oil? If it's dirty, change it following the procedure in the Engine Owner's Manual. ⇒ If your engine still lacks power, call **1 (800) DR-OWNER (376-9637)** for assistance.

⚠ WARNING!

BEFORE PERFORMING ANY MAINTENANCE PROCEDURE OR INSPECTION, STOP THE ENGINE, WAIT FIVE (5) MINUTES TO ALLOW ALL PARTS TO COOL. DISCONNECT THE SPARK PLUG WIRE(S), KEEPING IT AWAY FROM THE SPARK PLUG(S).

SYMPTOM	*POSSIBLE CAUSE*
Engine smokes.	⇒ Check the oil level and adjust as needed. ⇒ You may be operating the machine on too great an incline. See Slopes on page 21. ⇒ Check the air filter and clean or replace if needed. ⇒ You may be using the wrong oil—too light for the temperature. Refer to your Engine Owner's Manual for detailed information. ⇒ Clean the cooling fins if they're dirty. ⇒ If the engine still smokes, call **1(800) DR-OWNER (376-9637)** for assistance.
Machine is hard to get into reverse.	⇒ If you find it difficult to shift into reverse, lightly pull the Clutch Lever as you pull the Shift Lever into Reverse then quickly release the Clutch Lever. ⇒ If the difficulty persists, call **1(800) DR-OWNER (376-9637)** for assistance.
The Belt frays or rolls over the Pulley.	⇒ A Pulley groove may be nicked. Check the Belt for wear and hard spots. File off any nicks on the pulley. ⇒ The Belt may be stretched. Replace it.
The cut material is not being properly discharged out of the right side of the machine.	⇒ The Discharge Chute may be blocked. Disengage the Blade, turn OFF the engine, set the Parking Brake and disconnect the spark plug wire(s); then check for debris.
Heavier growth hangs up under the machine and does not discharge.	⇒ Try removing the Baffle under the front of the Mowing Deck. Be sure to turn OFF the engine and remove the spark plug wire(s)before performing this operation.
Blade vibrates when engaged.	⇒ The Blade may not be seated properly on the hub. Loosen the Blade Nut, reset the Blade and tighten the Nut. Be sure to turn OFF the engine and remove the spark plug wire(s) before performing this operation. ⇒ The Spindle Bearings may be bad. ⇒ Call **1(800) DR-OWNER (376-9637)** for assistance.
The Blade is not cutting or is loose.	⇒ The Blade may not be seated properly on the hub. Loosen the Blade Nut, reset the Blade and tighten the Nut. Be sure to turn OFF the engine and remove the spark plug wire(s) before performing this operation. ⇒ Sharpen the Blade; it may be dull or nicked.
Wheels pulling left or right.	⇒ Check the tire pressure. There should be 14 psi in each tire.

⚠ WARNING!

BEFORE PERFORMING ANY MAINTENANCE PROCEDURE OR INSPECTION, STOP THE ENGINE, WAIT FIVE (5) MINUTES TO ALLOW ALL PARTS TO COOL. DISCONNECT THE SPARK PLUG WIRE(S), KEEPING IT AWAY FROM THE SPARK PLUG(S).

SYMPTOM	*POSSIBLE CAUSE*
The Wheel Drive Clutch and/or Brake lever will freeze up during cold weather operation.	⇒ Moisture is getting into the cable housing(s) and freezing. Using a lubricating syringe, inject "dry gas" into the cable-housing opening to absorb the moisture. Tip the machine forward slightly so the "dry gas" will flow down the inside of the housing. After the ice blockage has thawed, lubricate the cable(s) with FLUID FILM® or comparable lubricant. See page 25.
The Blade will not Engage and/or Disengage.	⇒ Be sure you are holding down on the Operator Presence Lever. ⇒ Faulty Blade Control Switch. Remove and replace the Switch on the Control Panel. ⇒ An open and/or shorted Blade Control Wiring Harness. Remove and replace the Blade Control Wiring Harness w/Solenoid. ⇒ If the problem persists, call **1(800) DR-OWNER (376-9637)** for assistance.
The Differential Lock In/Out will not unlock (stays in the Lock In position).	⇒ Grass and debris has probably accumulated on the Differential Lock In/Out Sleeve. Clean and lubricate the Sleeve. See page 26. ⇒ The Differential Lock In/Out Cable is broken or out of adjustment. See page 33. ⇒ If the problem persists, call **1(800) DR-OWNER (376-9637)** for assistance.
The Differential Lock In/Out will not lock In (stays in the Lock Out position)	⇒ The Differential Lock In/Out Cable is broken or out of adjustment. See page 33. ⇒ If the problem persists, call **1(800) DR-OWNER (376-9637)** for assistance.

CHAPTER 7

PARTS LISTS, SCHEMATIC DIAGRAMS AND WARRANTY

Parts List - Handlebar Assembly

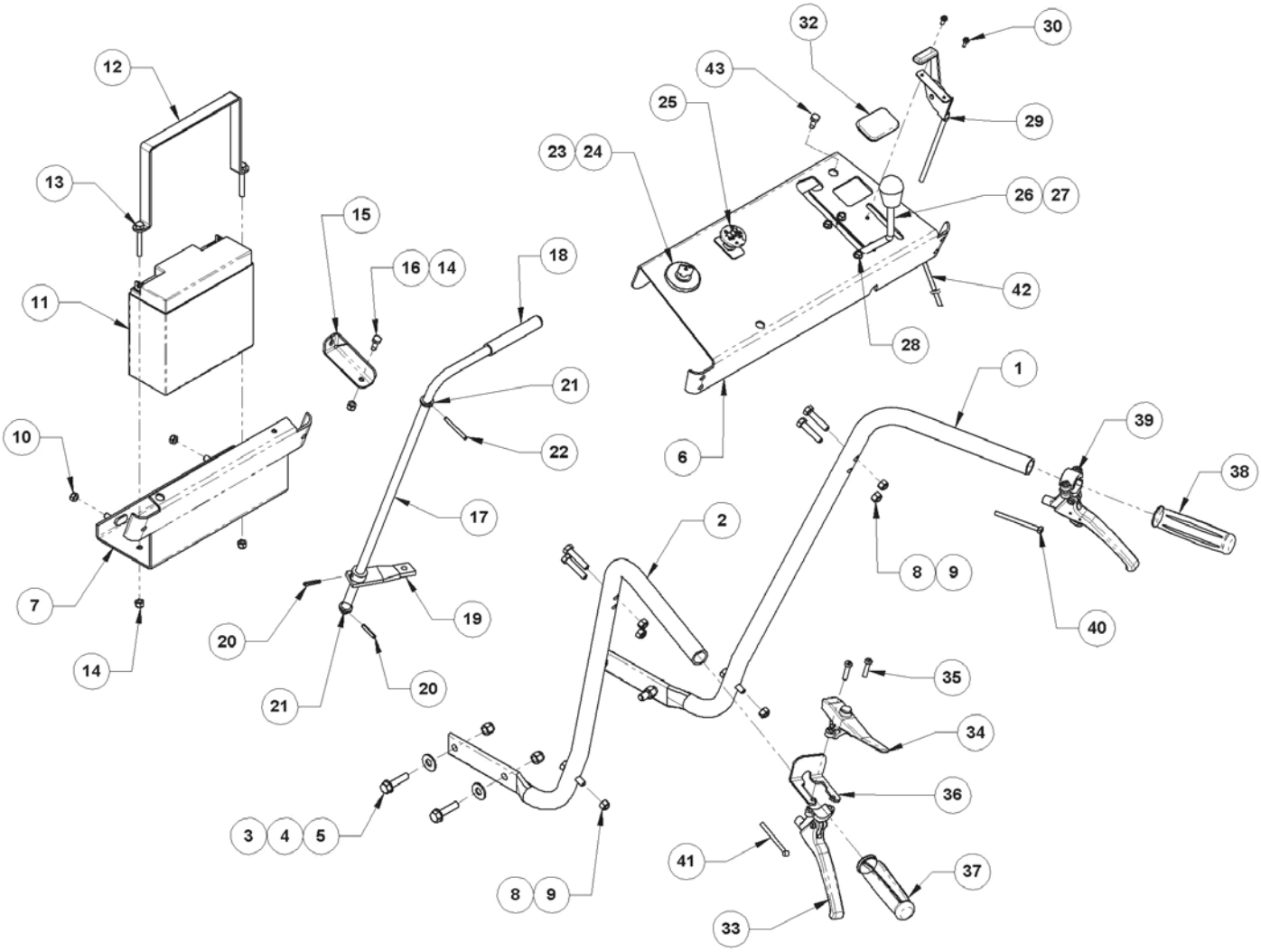
NOTE: *Part numbers listed are available through Country Home Products, Inc.*

Ref#	Part#	Description
01	150301	Handlebar, Right Hand
02	150311	Handlebar, Left Hand
03	120301	Screw, 3/8"-16 x 1-1/2", Tri-Lobe
04	112391	Washer, Flat, 3/8" USS
05	110751	Nut, Nylon Lock, 3/8"-16
06	191151	Control Panel
07	150041	Battery Shelf
08	110761	Nut, Nylon Lock, 5/16"-18
09	134431	Bolt, 5/16"-18 x 1.5", HCS, GR5
10	187551	Nut, Nylon Lock, 5/16"-18, Lo-Profile
11	104831	Battery, 17AH, 12V
12	124511	Clamp, Battery 7-1/8" x 5-1/2"
13	114561	Bolt, 1/4"-20 x 2" HCS
14	110731	Nut, Nylon Lock, 1/4"-20
15	151181	Bracket, Brake Cable
16	119831	Bolt, 1/4"-20 x 3/4" HCS
17	150391	Shift Lever
18	110221	Grip, Shift Handle
19	100241	Shift Rod with Hub
20	110961	Pin, Spring, 3/16" x 1"
21	112441	Washer, 1/2" ID x 3/4" OD, Nylon
22	110971	Pin, Spring, 3/16" x 1-3/4"
23	165191	Switch, w/Key, Snap-in, 4 Positions (Electric Start)
	165201	Switch, w/Key, Snap-in, 2 Positions (Manual Start)
24	157201	Key, Ignition Switch
25	191231	Switch, Push/Pull (TPDP)
26	192311	Lever, Cable Engage
27	150361	Knob, Cable Lever
28	179121	Bolt, 1/4"-20 x 1/2", Tri-Lobe
29	112111	Cable Throttle, 36-1/2" L (B & S)
	139051	Cable, Throttle, 50" L (Kawasaki)
30	150491	Screw, 8-32 x 1/2"
31	Deleted	
32	151311	Plug, Hour Meter Hole, 2" x 1-1/4"
33	165171	Lever, Wheel Clutch, 1"
34	180591	Lever, Operator Presence w/harness
35	179231	Screw, M6 x M25, Socket Head
36	164971	Guard, Switch, Operator Presence
37	164951	Grip, Ergonomic, 1" OD, Handlebar
38	164961	Grip, Plain, 1" OD, Handlebar
39	165181	Lever, Brake with Lock, 1"
40	181131	Cable, Transmission Brake
41	165251	Cable, Traction Drive
42	150151	Differential Lock In/Out Cable (only)
43	190031	Plug, Control Panel, Choke

Safety and Information Labels

136831	Caution Hot Surface Label Right Arrow
124371	American Flag Label
127811	Warning: Add Oil Label
192391	DR Logo, 5.75" Diameter
153321	DR, Control Panel, Front
161541	Throttle Control Label
191161	Control Panel Label
136491	Danger, Deck Label
164371	Blade Belt Routing

Schematic - Handlebar Assembly



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Parts List - Frame and Drive Assembly

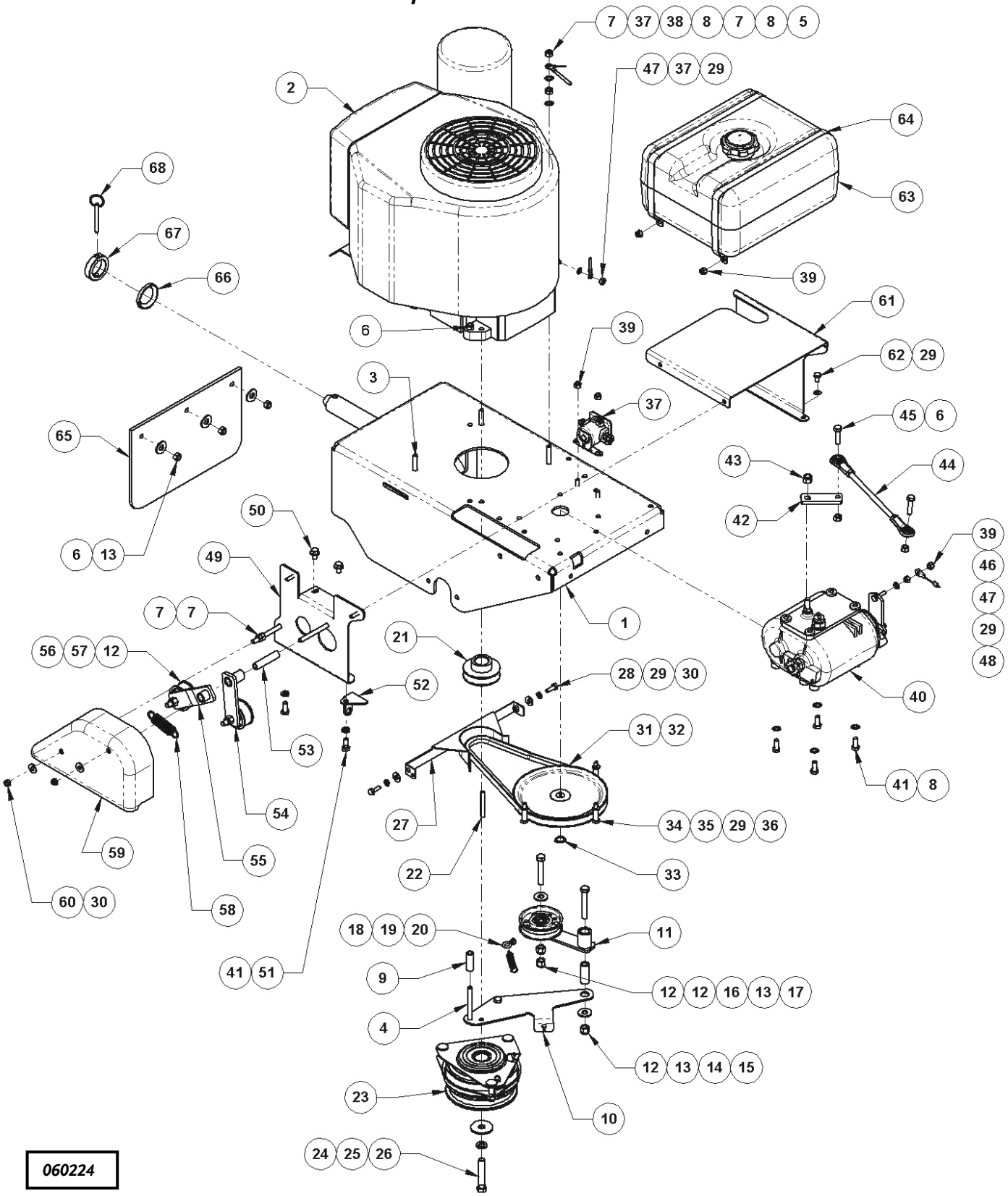
NOTE: *Part numbers listed are available through Country Home Products, Inc.*

Ref#	Part#	Description
01	150261	Frame, Main
02	192901	Engine, 11.5HP, B & S, e/s
	192921	Engine, 13HP, B & S, e/s
	160191	Engine, 15HP, Kawasaki, e/s
	160881	Engine, 17HP, Kawasaki, e/s
03	134431	Bolt, 5/16"-18 x 1-1/2", HCS, GR 5
04	111411	Bolt, 5/16"-18 x 3", HCS, GR 5
05	150451	Bolt, 5/16"-18 x 1-3/4", HCS, GR 5
06	110761	Nut, Nylon Lock, 5/16"-18
07	110691	Nut, 5/16"-18
08	112501	Washer, Lock, 5/16" External Tooth
09	112311	Spacer, .327" ID x .50" OD x 1.5" L
10	191261	Bracket, Anti-Rotation
11	150611	Idler Arm, Traction Drive
12	110751	Nut, Nylon Lock, 3/8"-16
13	112391	Washer, Flat, 3/8" (USS)
14	151111	Bushing, .390" ID x .62" OD x 1.585" L
15	164841	Bolt, 3/8"-16 x 2-1/2", HCS, GR 5
16	108501	Pulley, Flat, Idler, 3.0" OD
17	157121	Bolt, 3/8"-16 x 2-1/4", HCS, GR 5
18	175521	Eyebolt, 10-24 x 1/2"
19	118731	Nut, Nylon Lock, 10-24
20	150501	Spring, Extension, .438" OD x 2.5" FL
21	191211	Pulley, Drive, 2-3/4" Dia., 1" Bore
22	106361	Key, 1/4" Square x 2-1/4" L
23	191241	Clutch, Electric, 75 Ft.-Lbs., 3.86 Amp
24	191141	Bolt, 7/16"-20 x 2-3/4", HCS, GR 5
25	151321	Washer, Lock, 7/16" Split
26	191301	Washer, Flat, .469" ID x 1.62" OD x .25" THK
27	150201	Guide, Belt, Engine Pulley
28	119831	Bolt, 1/4"-20 x 3/4" HCS
29	112481	Washer, Lock, 1/4" External Tooth
30	112381	Washer, Flat, 1/4" USS
31	150061	Belt, A31K, 1/2" x 33"
32	111141	Pulley, V-Belt, 7" OD, 5/8" Bore
33	111241	Ring, Retaining, 5/8", Type SH
34	101451	Bolt, 1/4"-20 x 1-1/2"
35	111871	Spacer, 1/4" ID, 3/8" OD, 1.0" L
36	112371	Washer, Flat, 10-24 USS
37	191171	Wire Harness, Kawasaki, E/S
	191181	Wire Harness, B & S, E/S
38	150141	Cable, Ground, 16"
39	110731	Nut, Nylon Lock, 1/4"-20
40	150591	Transmission, 4FWD, 1REV, w/Brake
41	123211	Bolt, 5/16"-18 x 3/4", HCS, GR 5
42	151001	Arm, Transmission Shift
43	150771	Nut, Nylon Lock, 3/8"-24
44	160331	Tie Rod, 7.47" L, Rod & Ball Ends
45	123361	Bolt, 5/16"-18 x 1-1/4", HCS, GR 5
46	181131	Cable, Transmission, Brake
47	110701	Nut, 1/4"-20
48	111491	Bolt, 1/4"-20 x 1", HCS, GR 5
49	150171	Support, Chain Idler
50	111731	Screw, 5/16"-18 x 1/2", Tri-Lobe
51	112431	Washer, Lock, 5/16", Split
52	151941	Bracket, Clutch, Cable Guide
53	150101	Bushing, .328" ID, .500" OD, 2.32" L
54	164781	Idler Arm, Inner, Chain Adjust
55	164771	Idler Arm, Outer, Chain Adjust
56	150481	Pulley, Flat Idler, 1.88" OD, .375" Bore
57	126861	Bolt, 3/8"-16 x 2", HCS, GR 5
58	164801	Spring, Extension, .750" OD x 3" FL
59	150181	Guard, Chain
60	187551	Nut, Nylon Lock, 5/16"-18, Lo-Profile
61	150411	Mount, Fuel Tank
62	114701	Bolt, 1/4"-20 x 1/2", HCS
63	150291	Fuel Tank Assembly, 2.5 Gallons
64	150531	Strap, 2.5 Gallon Fuel Tank
65	150241	Debris Guard
66	151381	Washer, 1.375" ID, 2.00" OD x .25"
67	151151	Washer, 1.38" ID, 2.00" OD, for Pin
68	150461	Pin, Detent, 1/4" x 2"

Not Illustrated:

Ref#	Part#	Description
	211661	Hose, Fuel, 1/4" ID, CA Certified
	100661	Clamp, Fuel Line
	130381	Elbow, Oil Drain, B & S only
	130401	Nipple, Oil Drain, B & S only
	140021	Tubing, Oil Drain, Kawasaki only
	100941	Fuel Filter, B & S
	138741	Fuel Filter, Kawasaki

Schematic - Frame and Drive Assembly

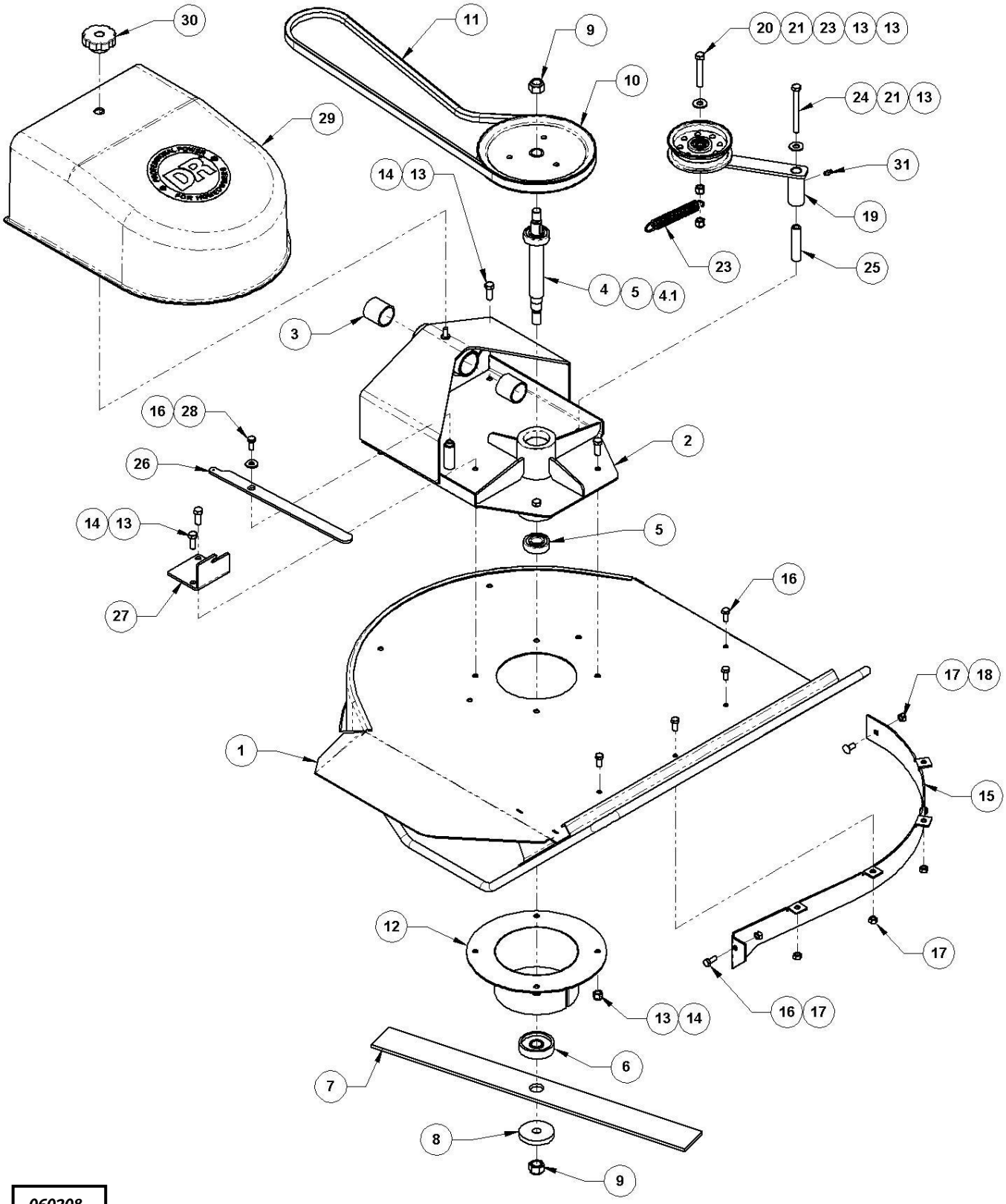


Parts List - Brush Deck Assembly

NOTE: *Part numbers listed are available through Country Home Products, Inc.*

Ref#	Part#	Description
01	164561	Brush Deck, 26"
	160621	Brush Deck, 30"
02	150911	Spindle Housing, Brush Deck
03	150721	Bushing, 1.38" ID x 1.63" OD x 1.5"
04	160091	Shaft, Spindle, w/Bearing
04.1	106401	Woodruff Key, .188" THK x .75" LG
05	187351	Bearing, Ball, 2 Seals
06	151141	Hub, Spindle, Brush Deck
07	100481	Blade, 26" Air Tip
	160891	Blade, 30" Air Tip
08	101771	Washer, .640" ID x 2.5" OD x .38", Blade
09	160071	Nut, Nylon Lock, 5/8"-18
10	164451	Pulley, V-Belt, 8.5" OD
11	150681	Belt, B63K, 5/8" x 66"
12	150641	Anti-Wrap Guard, 4 Hole Mount
13	110751	Nut, Nylon Lock, 3/8"-16
14	111521	Bolt, 3/8"-16 x 1", HCS, GR 5
15	160511	Baffle, 26"
	160611	Baffle, 30"
16	123211	Bolt, 5/16"-18 x 3/4", HCS, GR 5
17	110761	Nut, Nylon Lock, 5/16"-18
18	145291	Bolt, Carriage, 5/16"-18 x 3/4"
19	150831	Idler Arm, Brush Deck
20	150691	Bolt, 3/8"-16 x 2-1/2", HCS, GR 5
21	112391	Washer, Flat, 3/8" USS
22	151271	Pulley, Flat Idler, 4", 3/8" Bore
23	150941	Spring, Extension, 3/4" OD x 5.0" L
24	150701	Bolt, 3/8"-16 x 3-3/4", HCS, GR 5
25	150711	Bushing, Idler, .386" ID x .625" OD x 2.78"
26	164401	Lever, Belt Tension Release
27	165231	Bracket, Belt Tension Lever
28	112411	Washer, Flat, 5/16" USS
29	157271	Cover, Deck Drive Belt w/Label
30	143661	Knob, 5/16"-18 Hole
31	101891	Zerk, Grease Fitting, 1/4"-28, Straight
	164371	Label, Belt Routing (not shown)

Schematic - Brush Deck Assembly



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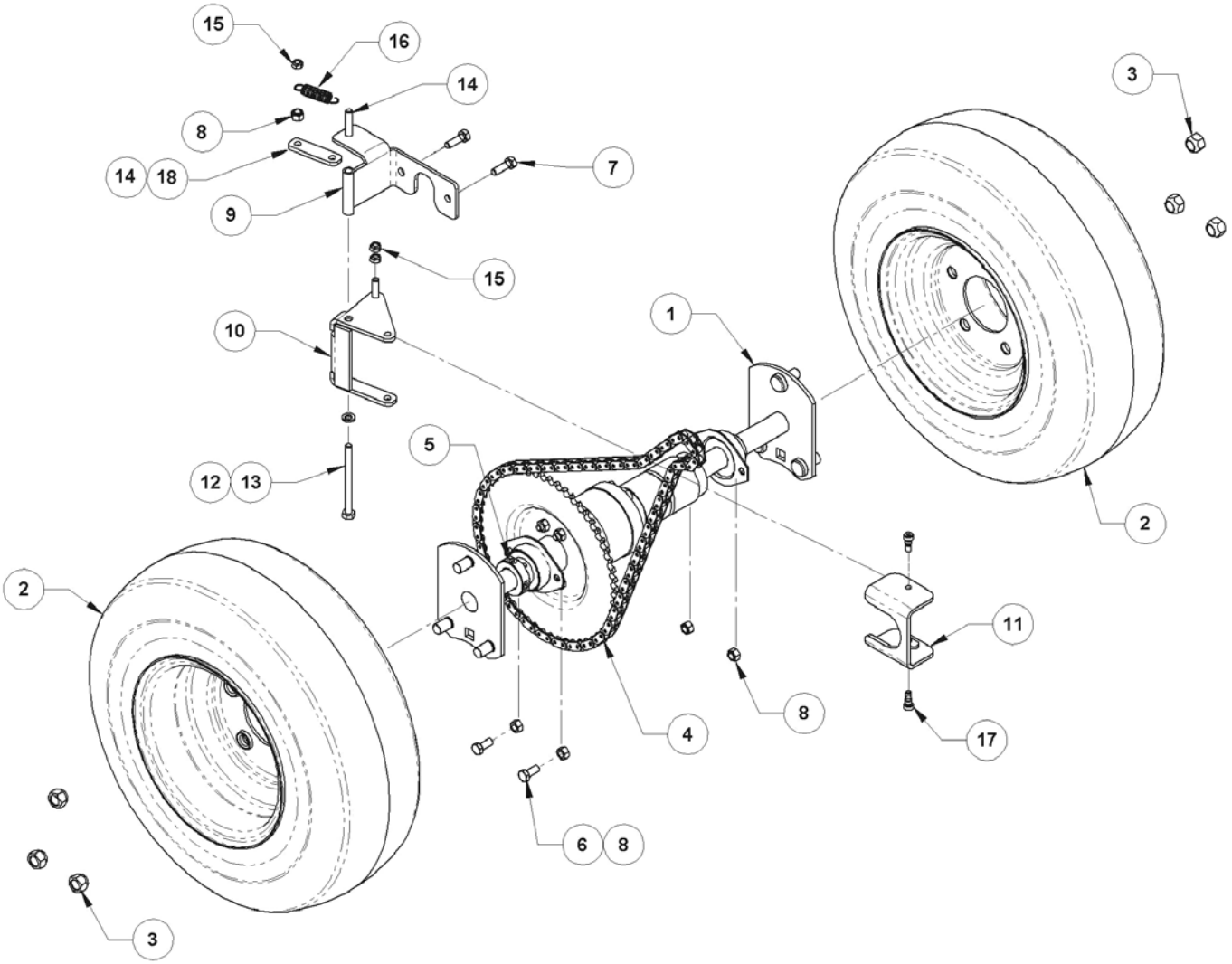
Parts List - Differential and Wheel Assembly

NOTE: *Part numbers listed are available through Country Home Products, Inc.*

Ref#	Part#	Description
01	192301	Differential, Lock In/Out
02	150621	Wheel & Tire, 18" x 6.50"- 8", Terrain, 5 Lug
	151721	Wheel & Tire, 18" x 6.50"-8", Turf, 5 Lug
	192891	Wheel, Grey, 5 Lug
	209371	Wheel Stud, 1/2"-20
03	165221	Nut, Lug, 1/2"-20
04	150191	Chain, #40, 88 Pitches with Master Link
05	151971	Split Collar, 1.00" ID x 1.75" OD, Clamp-On w/Set Screws
06	123211	Bolt, 5/16"-18 x 3/4", HCS, GR 5
07	111581	Bolt, 5/16"-18 x 1", HCS, GR 2
08	110761	Nut, Nylon Lock, 5/16"-18
09	190601	Support Assembly, Pivot, Lock In/Out
10	190591	Bracket, Cam Pivot, Lock In/Out
11	190581	Cam, Lock In/Out Differential
12	187571	Bolt, 5/16"-18 x 3-3/4", HCS
13	112431	Washer, Lock, 5/16", Split
14	192331	Bolt, 5/16"-18 x 1-1/2", HCS, GR 2, Full Thread
15	187551	Nut, Nylon Lock, 5/16"-18, Lo-Profile
16	164801	Spring, Extension, 1/2" OD x 1-1/2" FL
17	192321	Screw, Shoulder, 1/4"-20, Lock, .312" Body
18	151641	Bar, Extender

Schematic - Differential and Wheel Assembly



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NOTES:

DR® FIELD and BRUSH MOWER

2-Year Limited Warranty

Terms and Conditions

The **DR**® FIELD and BRUSH MOWER is warranted for two (2) years against defects in materials or workmanship when put to ordinary and normal consumer use; ninety (90) days for any other use. The engine manufacturer warrants the engine separately.

For the purposes of all the above warranties, "ordinary and normal consumer use" refers to non-commercial residential use and does not include misuse, accidents, or damage due to inadequate maintenance.

Country Home Products, Inc. (home of **DR**® Power Equipment) certifies that the **DR**® FIELD and BRUSH MOWER is fit for ordinary purposes for which a product of this type is used. Country Home Products, Inc. however, limits the implied warranties of merchantability and fitness in duration to a period of two (2) years in consumer use, ninety (90) days for any other use.

The 2-Year Limited Warranty on the **DR**® FIELD and BRUSH MOWER starts on the date the machine ships from our factory. The 2-Year Limited Warranty is applicable only to the original owner.

The warranty holder is responsible for the performance of the required maintenance as defined by the manufacturer's owner's manuals. The warranty holder is responsible for replacement of normally wearing parts such as the Drive Belts, Bearings, Debris Shield, Blade, Tires, and Battery. Attachments and accessories to the machine are not covered by this warranty.

During the warranty period, the warranty holder is responsible for the machine transportation charges, if required. During the warranty period, warranty parts ship by standard method at no charge to the warranty holder. Expedited shipping of warranty parts is the responsibility of the warranty holder.

SOME STATES DO NOT ALLOW LIMITATIONS ON THE LENGTH OF IMPLIED WARRANTIES, SO THE ABOVE LIMITATIONS MAY NOT APPLY TO YOU.

Country Home Products, Inc. shall not be liable under any circumstances for any **incidental or consequential damages or expenses** of any kind, including, but not limited to, cost of equipment rentals, loss of profit, or cost of hiring services to perform tasks normally performed by the **DR**® FIELD and BRUSH MOWER.

SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS MAY NOT APPLY TO YOU.

Customer Service Hotline

Country Home Products, Inc.'s objective is to have 100% satisfied customers. For that reason, we operate a 6-day-a-week Technical Service Department for our Owners. You can access a Representative by dialing our TOLL-FREE Hotline at **1-800-DR-OWNER (376-9637).** The sole job of our well-trained and friendly folks is to ensure that you get any help you need in a timely fashion. They are there to answer all your questions including: (1) inquiries on any of the above warranties, (2) inquiries about replacement parts, or (3) your questions regarding service, maintenance, and operation.

Our Customer Service Representatives will also be happy to answer any of your questions regarding the separate warranties on all engines. However, to obtain service, repair or replacement of any engine within the time period covered by the manufacturer's limited warranty, follow the instructions and warranty information specifically pertaining to those items provided by their separate manufacturers.

THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU HAVE OTHER RIGHTS, WHICH VARY FROM STATE TO STATE.

Daily Checklist for the DR FIELD and BRUSH MOWER

To help maintain your DR FIELD and BRUSH MOWER for optimum performance, we recommend you follow this checklist each time you use your machine.

[ ] OIL: With the machine on a level surface, check the engine oil level with the dipstick and add more if necessary (only add oil to the level indicated on the dipstick - DO NOT OVERFILL). Use SAE 30 high detergent motor oil.

[ ] GAS: Fill the gas tank with clean, fresh, unleaded gasoline. Make sure the Fuel Shut-Off Valve on the bottom of the tank is open, if your model is equipped with one. Always close the Fuel Shut-Off Valve when storing your machine.

[ ] ENGINE AIR COOLING SYSTEM: It is very important to keep the engine clean of debris. Remove grass and other built-up materials from the air intake screen before, during, and after you mow. Regularly remove debris from the blower housing and cooling fins. A dirty engine retains heat and can cause damage to the internal engine parts.

[ ] BELTS: Check the Belts for wear, proper alignment and tension.

[ ] BLADE: Check the blade for tightness, nicks and wear. Remove any wrapped weeds and grass from the Blade Bearing Housing to prevent buildup.

[ ] GENERAL CONDITION: Check the general condition of the machine, e.g.; nuts, bolts, welds etc.

COUNTRY HOME PRODUCTS, Inc.

MEIGS ROAD, P.O. BOX 25, VERGENNES, VERMONT 05491

1-800-DR-OWNER (376-9637) • www.dr-owner.com

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